



ECC products

Product Catalogue - Pacific

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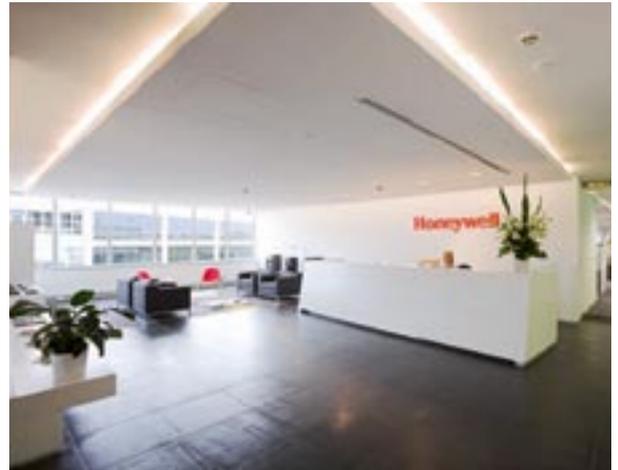
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Phoenix Controls

There is no equal in airflow control

Accel® II venturi valves are built and characterised at our headquarters to ensure quality workmanship and reflect years of Phoenix engineering improvements. This high performance, airflow-metering device is the foundation of every airflow control system we provide and is backed by a three-year warranty. Its reliable performance has been proven in a wide range of critical environments, including laboratories, vivariums, pharmaceutical cleanrooms and healthcare facilities.



Accel® II venturi valves are:

- Reliable
- Accurate
- Fast
- Quiet
- Pressure independent

Design with confidence

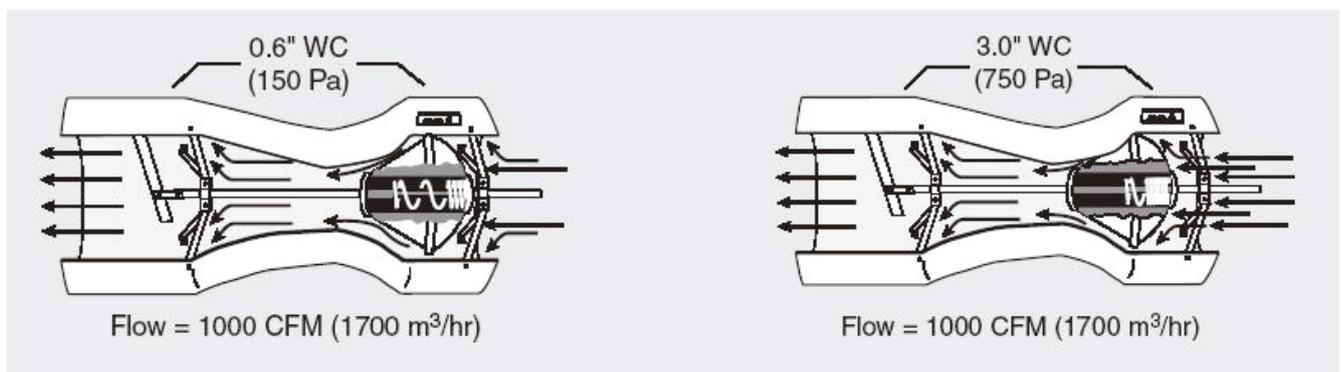
As a facility manager, design engineer or architect, you can be assured that Accel® II valves will deliver the best airflow control performance possible. Integration with your facility management system is hassle-free and provides the operating data necessary to verify environmental integrity.

Create a safe, comfortable environment

Pressurised spaces are relied upon for protection and contamination control. There is no room for compromise when highly corrosive chemicals are in use, a biological contamination is possible, or years of valuable research are at risk.

Benefit from savings

This valve saves time and money at commissioning and through its operation life. Factory characterisation lowers balancing costs and speeds commissioning, and the valve requires no scheduled maintenance. As part of the patented Usage Based Control system for fume hood exhaust, significant energy savings are realised.

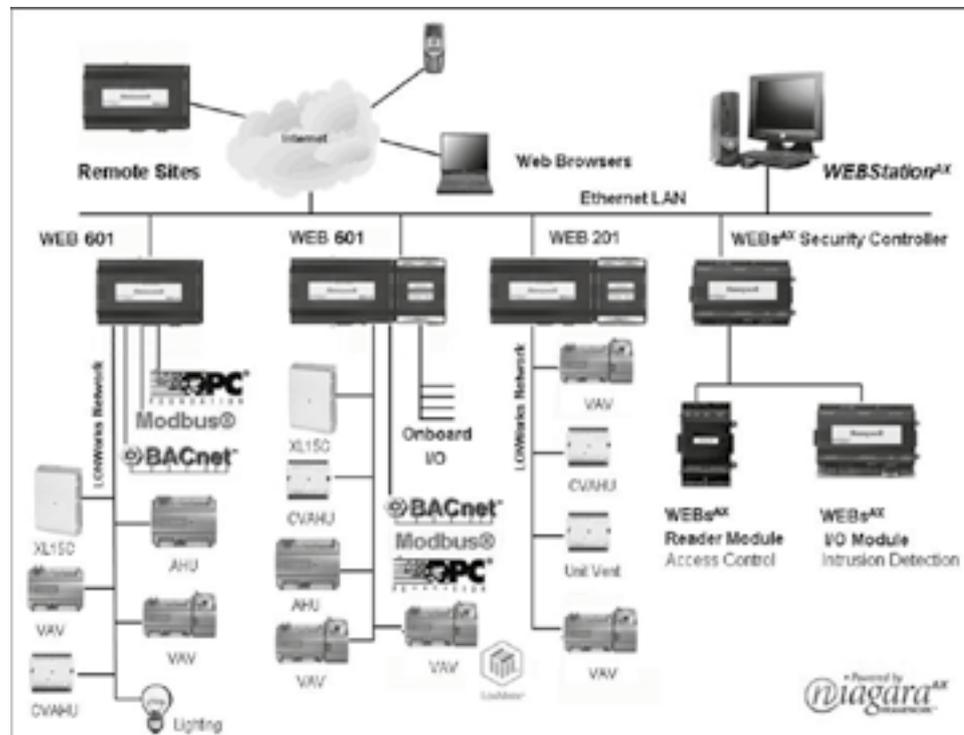


As duct static pressure fluctuates, the valve compensates to hold airflow rates steady. It does this through movement of the spring-loaded cone assembly along the shaft to size the orifice opening appropriately.

Web-Enabled Building Solution (WEBsAX™)

There is no equal in airflow control

The Honeywell WEBsAX™ product suite offers an affordable integrated open communications building control system. Developed on the Niagara Framework®, users can seamlessly integrate LonWorks®, BACnet®, Modbus®, OPC and other standard protocols with legacy systems to provide a unified real-time controls network. WEBsAX™ has the capability of an internet-based graphical user interface allowing users to view and manipulate underlying systems without the need for dedicated workstations or client software.



Save Time and Money - There are no additional workstations to buy. With the Web-enabled user interface, you can access the system via a browser from anywhere in the world. Alarms are prioritised and can be sent via email, phone, PDA and remote printers.

Increase Flexibility - Communicate to LonWorks®, BACnet®, OPC, Modbus® and third-party protocols at the controller level.

Save Energy - Through its energy monitoring features, WEBsAX™ Energy Suite gives you a true understanding of your energy costs. It analyses energy-usage data and creates a wide-range of easily understandable reports so that you can segment and better understand which elements are most affecting your bill.

Peace of Mind - With WEBsAX™ Security you'll be able to manage your security anytime from anywhere you have Internet access. You can check the security status, make updates, change access privileges and more with just a few clicks. WEBsAX™ Security has the flexibility to work with standard security products and tie them together into a system with easy-to-use and easy-to-access control.

Easy Configuration - With WEBsAX™ Security you'll be able to manage your security anytime from anywhere you have Internet access. You can check the security status, make updates, change access privileges and more with just a few clicks. WEBsAX™ Security has the flexibility to work with standard security products and tie them together into a system with easy-to-use and easy-to-access control.

Increase Productivity - Provide comfortable, efficient, productive surroundings for your most valuable assets - your employees - when you create energy-efficient working environments that utilise energy only when and where it is needed.

Building Managers

Excel 15A W7760A Building Manager



The Excel 15A W7760A Building Manager is a LonMark compliant device that can be used to monitor and control HVAC equipment and other miscellaneous loads in a distributed network. An optional lithium battery can be installed to allow continuous power so trend logs and alarms can be maintained for up to 4 continuous years. The W7760A Building Manager communicates via the 78kbaud Echelon LonWorks Network using a free topology transceiver (FTT).

Devices	Trends	Input/output	Features	Part Number	Stock/ Indent
Up to 20 devices (Excel 10 or T7350) 8 time of day schedules.	Up to 16 trends; continuous, periodic, delta and one shot. Energy history, bypass and equipment runtime logs. Alarm prioritisation, routing, multi site dial out and history log.	Inputs: 4 Digital. 8 Analog 0-10V NTC20k Outputs: 2 Analog 4-20mA 8 Digital 24Vac Triac	Real-time clock with time synchronisation. Programmable control of mechanical equipment	W7760A2011	I

Excel 15C W7760C Plant Controller



The Excel 15C W7760C Plant Controller is used to monitor and control HVAC equipment and other miscellaneous loads in a distributed network. The W7760C Plant Controller communicates via the 78kbaud LonWorks network using a free topology transceiver (FTT). LonSpec software is used for easy programming.

Inputs	Outputs	Control Modes	Features	Part Number	Stock/ Indent
8 - Digital 8 - Analog	8 - Digital (opto isolated) 6 - Analog (0-20mA)	Time of day bypass. Setpoint reset, override or alarming. Sequencer. Lead/lag. Analog limit.	Programmable control of mechanical equipment and auxiliary points. I/O expandable with up to 3 Excel 10 remote I/O devices.	W7760C2017	I

Excel 15 S7760A Command Display



The S7760A Command Display provides local display of system variables and alarms in a LonWorks network. The S7760A Command Display also allows the user to modify setpoints, schedules and basic system parameters and acknowledge alarms. Multi level password protection prevents unauthorised access. Easy navigation between building and room views allows users to easily perform the most common tasks. 20-30Vac, 50/60Hz.

Access	Display	Control	Features	Part Number	Stock/ Indent
4 levels - view only, Bypass, setpoint, schedule. Password protected.	Multi layer views - Building, rooms, schedules, setpoints. Backlit	Start stop loops. General purpose control loops. Excel 10 controllers	Cost effective interface to local S7760A2031 HVAC system. Lonworks communications.	S7760A2031	I

Commercial Controllers

Excel 10 W7750 Constant Volume AHU Controller



The W7750A,B, and C are constant volume air handling unit controllers - part of the Excel 10 family. These products are LonMark compliant devices designed to control single zone and heat pump air handlers. Control applications supported are heat pump systems, electric or gas heating, floating hot water or steam heating, mechanical cooling, floating chilled water cooling, and floating mixed air damper output. W7750B, and C can also support pulse width modulating heating, cooling and mixed air damper output.

Inputs	Outputs	Power supply	Features	Part Number	Stock/ Indent
3 Analog (NTC20k or PT3000) 3 Digital	6 Digital (24Vac relay)			W7750A2005	I
4 Analog (NTC20k or PT3000) 2 Analog (2-10Vdc 4-20mA) 5 Digital	8 Digital (24Vac triac)	20Vdc power supply for auxiliary devices		W7750B2011	I
4 Analog (NTC20k or PT3000) 2 Analog (2-10Vdc 4-20mA) 5 Digital	5 Digital (24Vac triac) 3 Analog (4-20mA)	20Vdc power supply for auxiliary devices		W7750C2001	I

Excel 10 W7751F VAV II Controller



Variable Air Volume (VAV) controller in the Excel 10 family. Using single and dual duct application these VAV systems provide pressure independent or pressure dependent air flow control and series or induction fan control. VAV systems generally provide cool air only to the zones. The W7751 controllers provide additional outputs that control VAV box reheat coils. The heaters can be staged electric or modulating hot water. Supply and exhaust pressurisation control are provided on a zone basis.

Control	Sequences	Inputs/Outputs	Features	Part Number	Stock/ Indent
PID temperature control. Floating, hot water, three stage electric or modulating hot water heat.	Supports pressurise, depressurise, night purge and morning warm up sequences.	Inputs: 4 Analog, 5 Digital Outputs: 8 Digital	LonWorks network protocol. Capable of standalone operation.	W7751F2011	I

Excel 10 W7751H Smart VAV Actuator

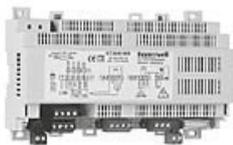


The W7751H Smart VAV Actuator is a factory-integrated variable air volume (VAV) box controller and a 90 second ML6161B direct coupled actuator in the Excel 10 family. The VAV box controller provides pressure independent air flow control and pressure dependent damper control. VAV systems generally provide cool air only to the zones. The W7751H controller provides two additional outputs that control a fan or VAV box reheat coils. The heaters can be staged electric or modulating hot water. Supply and exhaust pressurisation control are provided on a zone basis. 24Vac 50/60Hz.

Control	Sequences	Comms	Features	Part Number	Stock/ Indent
PID temperature control. Floating, hot water; two stage electric; or modulating hot water heat.	Supports pressurise, depressurise, night purge and morning warm up sequences.	LonWorks network protocol. Capable of standalone operation	Supports motion sensor interface. Supports terminal regulated air volume (TRAV) concept.	W7751H2025	AUS

Commercial Controllers

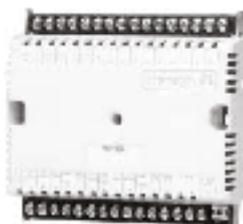
Excel 10 W7754 FCU Controller



The W7754K, P, and Q controllers are fan coil unit controllers belonging to the Excel 10 family. They cover a wide range of fan coil control applications and can operate as standalone units or networked using the standard LonWorks bus. Interfaces are provided for a wide range of actuator types. Heating systems can be water or electric. Cooling systems can be chilled water supply or compressors. Extensive timing and interlock features make them especially suitable for systems using electrical heat and compressors.

Power	Inputs/Outputs	Sequences	Features	Part Number	Stock/ Indent
230Vac	Inputs: 3 Analog, 2 Digital Outputs: 6 Digital	Heat only, Cool only Heat/Cool changeover Heat and Cool With/without fan	Direct connection of thermal actuators Direct connection to fan switch Direct & indirect connection to electrical heat	W7754K1001	I
230Vac	Inputs: 3 Analog, 2 digital Outputs: 9 Digital	Heat only, Cool only Heat/Cool changeover Heat and Cool With/without fan	Direct connection of thermal actuators Direct connection to fan switch Direct & indirect connection to electrical heat	W7754P1000	I
24Vac	Inputs: 3 Analog, 2 Digital Outputs: 9 Digital	Heat only, Cool only Heat/Cool changeover Heat and Cool With/without fan	Direct connection of thermal actuators Direct connection to fan switch Direct & indirect connection to electrical heat	W7754Q1008	I

Excel 10 W7761A Remote I/O Device



The W7761A is the remote input/output (RIO) device in the Excel 10 product line family. The RIO is a LonMark compliant device designed to monitor/control HVAC equipment, lighting and other miscellaneous loads in a distributed network or with a zone manager. Uses Echelon LonWorks networks protocol. Designed for floating and PWM control, and for remote connection of various actuators.

Application	Inputs	Outputs	Features	Part Number	Stock/ Indent
2 Heat and 2 Cool. Small systems (<20 IO points).	4 Analog (NTC20k or PT3000). 2 Analog (2-10Vdc 4-20mA). 4 Digital	8 Digital (24Vac Triac)	22Vdc power supply for auxiliary devices.	W7761A2010	I

Excel 10 W7763 Chilled Ceiling Controller



The W7763C, D and E Controllers are chilled ceiling controllers in the Excel 10 product line. They cover a wide range of control applications including radiators, induction units, and fan coil units with manual fan switching, chilled ceiling and chilled beam and are suitable for either wall mounting or unit mounting.

Control	Inputs/Outputs	Comms	Features	Part Number	Stock/ Indent
Floating, thermal PWM, on/off, multi stage electric heating and cooling	3 Inputs 2 Outputs	LonWorks network protocol. Capable of standalone operation.	Setpoint knob Internal sensor Bypass button	W7763C1032	I
Floating, thermal PWM, on/off, multi stage electric heating and cooling	4 Inputs 2 Outputs	LonWorks network protocol. Capable of standalone operation.	Setpoint knob	W7763D1030	I
Floating, thermal PWM, on/off, multi stage electric heating and cooling	4 Inputs 2 Outputs	LonWorks network protocol. Capable of standalone operation.		W7763E1003	I

Commercial Controllers

LonTalk Adapter



The LonTalk Adapter provides communication between the LonWorks E Bus and a PC. The serial Lon Talk Adapter works with the Light Commercial Building Solution and the Excel 10 family of controllers.

Protocol	Type	Applications	Features	Part Number	Stock/ Indent
LonWorks network protocol	USB Interface	LonSpec LonStation	FTT-10A transceiver Includes cable	Q7752C2007	I
LonWorks network protocol	PCMCIA Card	LonSpec LonStation	FTT-10A transceiver Includes cable	Q7752B2009	I
LonWorks network protocol	Serial Interface	LonSpec LonStation	FTT-10A transceiver Uses RS-232 port or approved modem	Q7760A2001	I

Excel LonSpec Software



Excel LonsSpec is a windows based software application for the configuration, commissioning, check out and monitoring of the Light Commerical Building solution (LCBS) products.

Controllers	Software Requirements	Hardware Requirements	Features	Part Number	Stock/ Indent
Excel 10 devices T7350 Thermostats	Windows 2000 with SP3, Windows XP with SP1 or SP3 Internet Explorer 6.0 with SP1	500MHz microprocessor. Min 128Mb RAM. Min 100Mb disk space. 1024 x 768 resolution SuperVGA monitor.	Configuration, calibration and commissioning of devices.	ZL7760A1020/U	I

LonStation Software



Excel LonStation is a windows based software application / PC workstation used for monitoring and managing controllers from the Light Commerical Building Solution (LCBS) range.

Controllers	Software Requirements	Hardware Requirements	Features	Part Number	Stock/ Indent
Excel 10 devices. T7350 Thermostats.	Windows 2000 with SP3, Windows XP with SP1 or SP2 Internet Explorer 6.0 with SP1	500MHz microprocessor. Min 128Mb RAM Min 100Mb disk space 1024 x 768 resolution SuperVGA monitor.	Monitoring and management of devices	ZL7762A1026/U	I

Commercial Thermostats

T7350 Commercial Programmable Thermostat



7 day programmable electronic thermostat, with 4 periods/day. Features Intelligent Fan; Intelligent Recovery. Used for heat pump or conventional applications with auto or manual changeover option. Integral or remote sensor. Optional discharge sensor and outdoor sensor. Optional motion sensor. 24 Vac.

Application	Stages	Comms	Features	Part Number	Stock/Ident
Conventional Systems	1 Heat & 1 Cool 1 Mod. Heat & 1 Mod. Cool	Non Lonworks	Premier White Includes sub base Aux Heat/Econo Out Internal Humidity Sensor	T7350M1008/U	I
Conventional or Heat Pump Systems	3 Heat & 2 Cool or 2 Heat & 2 Cool (Heat Pump)	Lonworks	Premier White Includes sub base Aux Heat/Econo Out	T7350H1009/U	I
Conventional or Heat Pump Systems	1 Heat & 1 Cool 1 Mod. Heat & 1 Mod. Cool	Lonworks	Premier White Includes sub base Aux Heat/Econo Out Internal Humidity Sensor	T7350H1017/U	I

R7426 Micronik 200 Temperature Controller



A series of configurable digital controllers for valve or damper control in air or water temperature applications. Functions can consist of main temperature control, limit control, cascade control or outside air compensation control. Floating, PWM or modulating models available. 24Vac.

Application	Output	Temperature Range	Features	Part Number	Stock/Ident
Temperature Control	2 Triacs for PWM 2/3-stage control 1 On/Off output	0-50°C	White Real Time Clock.	R7426A2014	I
Temperature Control	6 Triacs for PWM 2,3,4,6, or 15-stage control	0-50°C	White	R7426B2004	I
Temperature Control	Floating PWM 2,3,4,6, or 15-stage control 1 On/Off output	0-50°C	White	R7426B2012	I
Temperature Control	Floating PWM 2,3,4,6, or 15-stage On/Off	0-50°C	White Real Time Clock and Scheduling.	R7426B1014	I
Temperature Control	3 0/2-10Vdc modulating outputs	0-50°C	White	R7426C2002	I
Temperature Control	3 0/2-10Vdc modulating outputs 1 On/Off output	0-50°C	White Real Time Clock	R7426C2010	I
Universal Input Control	1 0/2-10Vdc modulating output 1 On/Off Output	0-50°C	White	R7426D2000	I

Sensors & Switches

T7460 Wall Module



Direct wired wall module for use with the Honeywell Excel 10 devices. All models have a space temperature sensor, some models have setpoint adjustment, bypass button and LED and fan switch. 24Vac 50/60Hz.

Application	Output	Range	Features	Part Number	Stock/ Indent
Use with Excel 10 devices	NTC20k	6°C to 40°C		T7460A1001	I
Use with Excel 10 devices	NTC20k	6°C to 40°C	Setpoint adjustment: 12 to 30°C or +/- 5	T7460B1009	I
Use with Excel 10 devices	NTC20k	6°C to 40°C	Setpoint adjustment: 12 to 30°C or +/- 5 Bypass button and LED	T7460C1007	I
Use with Excel 10 devices	NTC20k	6°C to 40°C	Setpoint adjustment: 12 to 30°C or +/- 5 5 position fan switch	T7460D1005	I
Use with Excel 10 devices	NTC20k	6°C to 40°C	Setpoint adjustment: 12 to 30°C or +/- 5 Bypass button and LED 3 position fan switch	T7460E1002	I
Use with Excel 10 devices	NTC20k	6°C to 40°C	Setpoint adjustment: 12 to 30°C or +/- 5 Bypass button and LED 5 position fan switch	T7460F1000	I

T7470 Room Sensor



T7470 is a direct wired room temperature sensor that is delivered as a pack of 5 sensors. IP30

Mounting	Output	Range	Features	Part Number	Stock/ Indent
Wall mount	NTC20k	6 to 40°C	Delivered as a set of 5 sensors	T7470A1009	I

T7560 Digital Wall Module



The T7560 Digital Wall Module is a family of direct wired wall modules that display space temperature and provide setpoint, occupied/unoccupied override and fan mode/speed selection for the Honeywell Excel 10 controllers.

24Vac 50/60Hz.

Application	Output	Range	Features	Part Number	Stock/ Indent
Use with Excel 10 devices.	NTC20k	6°C to 40°C	Setpoint adjust, Bypass, Fan override. Digital display. Blue buttons & wheel	T7560A1000	I
Use with Excel 10 devices.	NTC20k	6°C to 40°C	Setpoint adjust, Bypass, Fan override. Digital display. White buttons & wheel	T7560A1026	I
Use with Excel 10 devices.	NTC20k 0 to 10Vdc	6°C to 40°C 5 to 90% R.H	Setpoint adjust, Bypass, Fan override. Digital display. Blue buttons & wheel	T7560B1008	I
Use with Excel 10 devices.	NTC20k 0 to 10Vdc	6°C to 40°C 5 to 90% R.H	Setpoint adjust, Bypass, Fan override. Digital display. White buttons & wheel	T7560B1024	I

Sensors & Switches

T7770 Indoor Remote Sensor



The T7770A, B, C, and D's are a family of direct wired wall modules for use with Honeywell Excel systems and T7350 thermostats. All models have a space temperature sensor, some models have setpoint adjustment and/or over-ride with LED. LonWorks compatible. White.

Comms	Resistance	Operating Range	Features	Part Number	Stock/ Indent
Non LonWorks	NTC 20K	7 - 37°C		T7770A1006	I
LonWorks	NTC 20K	7 - 37°C		T7770A2004	I
LonWorks	NTC 20K	7 - 37°C	10 to 35°C Setpoint Adjustment	T7770B1020	I
LonWorks	NTC 20K	7 - 37°C	+/- Setpoint Adjustment	T7770B1046	I
LonWorks	NTC 20K	7 - 37°C	10 to 35°C Setpoint Adjustment and Bypass	T7770C1028	I
LonWorks	NTC 20K	7 - 37°C	Occupied/Non Occupied Switch & LED	T7770D1000	I

C7089 Outdoor Temperature Sensor

Remote outdoor sensor for measuring outdoor air temperature. Max length of 60m (200ft). Factory calibrated.



Application	Resistance	Range	Features	Part Number	Stock/ Indent
For use with T7350 thermostats.	3000 PTC	-40 to 53°C	Mounting Clip included.	C7089A1002	I
For use with TH8000, TB7220 and TB8220 thermostats.	NTC 10k	-40 to 49°C	Mounting Clip included.	C7089U1006/U	AUS

AF20 Outdoor Temperature Sensor

Outdoor air temperature sensor. IP30.



Mounting	Output	Range	Features	Part Number	Stock/ Indent
Wall mount	NTC20k	-40 to 60°C	Dimensions: 95mm(H) 65mm(W) 70mm(D)	AF20	I

LF20 Air Duct Temperature Sensor

Duct air temperature sensor. IP54.



Mounting	Output	Range	Features	Part Number	Stock/ Indent
Duct mount	NTC20k	-40 to 80°C	Immersion depth 305mm water proof	LF20-C	I

Sensors & Switches

VF20 Water Temperature Sensor



Water temperature sensor with well or strap on mounting.

Mounting	Output	Range	Features	Part Number	Stock/ Indent
Strap on pipe	NTC20k	0 to 110°C	IP30	VF20A	I
Immersion	NTC20k	-25 to 130°C	Immersion depth 135mm Well included IP52	VF20T	I

C7600 Humidity Sensor



Relative humidity sensor for rooms and air ducts. Can be used with any controller that can process a 4-20mA or 2-10Vdc signal. Sensing element: capacitive.

Mounting	Output	Range	Features	Part Number	Stock/ Indent
Room	2 to 10Vdc	10 to 90% R.H	Input: 10 to 40Vdc or 10 to 30Vac	C7600B2008	I
Duct Mount	4 to 20mA	10 to 90% R.H	Input: 12 to 40Vdc Quick connect terminals	C7600C1008	I

H7012/H7015 Humidity Sensors



Relative humidity sensors for rooms and air ducts. Sensing element: Capacitive. Power: 24Vac, 0.48VA. Housing (H7012): IP30. Housing (H7015): IP54.

Mounting	Output	Range	Features	Part Number	Stock/ Indent
Room	0 to 10Vdc	5 to 95% R.H		H7012A1009	I
Room	0 to 10Vdc Temp: NTC20k	5 to 95% R.H 0 to 50°C		H7012B1023	I
Air Duct	0 to 10Vdc	5 to 95% R.H	Immersion length 235mm	H7015A1006	I
Air Duct	0 to 10Vdc Temp: NTC20k	5 to 95% R.H -30 to 70°C	Immersion length 235mm	H7015B1020	I

H7600 Humidity Sensors



H7625, H7635 are highly accurate and stable humidity transducers designed for use with HVAC controllers such as T7350 thermostat and the T775U Universal Controller. Ceramic technology allows the sensor to recover fully from condensation, fog and high humidity. Temperature compensated output.

Application	Output	Range	Features	Part Number	Stock/ Indent
For use with T7350 thermostats.	0-10Vdc	10 to 90% RH	Wall mount 5% Accuracy	H7655A1001	I
For use with T7350 thermostats.	RH: 4-20mA/0-10Vdc Temp: NTC20k	20 to 95% RH -23 to 70°C	Wall mount 2% Accuracy	H7625A1008	I
For use with T7350 thermostats.	RH: 4-20mA/0-10Vdc Temp: NTC20k	20 to 95% RH -23 to 70°C	Wall mount 3% Accuracy	H7635A1006	I

Sensors & Switches

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H7018 Early Warning Dewpoint Sensor



The H7018 early warning dew-point sensor is designed for use in monitoring cooling water pipes or chilled surfaces in order to determine if temperatures are approaching the dew-point. The sensor measures the relative humidity prevailing directing at the chilled surface. Can be used with W7763C chilled ceiling controller.

24Vac. Compact design. Module is coated to protect against contamination.

Mounting	Output	Range	Features	Part Number	Stock/ Indent
Flat or round surfaces	RH>90% Contact Open RH<90% Contact Closed	5 to 95% RH	Fast reponse	H7018A1003	I

Air Quality Sensors



A sensor for the detection of unpleasant odours, tobacco smoke, and vapours emitted by such materials as furniture, carpets, paint, glue etc.

Mounting	Output	Power	Features	Part Number	Stock/ Indent
Wall	0 to 10Vdc	24Vac/dc 1VA	Adjustable output offset and LED display.	C7110A1005	I

C7632 Carbon Dioxide Sensors



Sensors that measure the CO² concentration in the ventilated space or duct. The sensors are used in ventilation and air conditioning systems to control the amount of fresh outdoor air supplied to maintain acceptable levels of CO² in the space. Non Dispersion Infrared (NDIR) technology used to measure carbon dioxide gas.

Mounting	Output	Range	Features	Part Number	Stock/ Indent
Wall	0 to 10Vdc	0 to 2000ppm		C7632A1004/U	AUS
Duct	0 to 10Vdc	0 to 2000ppm	Insertion length 203mm	C7632B1002/U	AUS

AQS Carbon Dioxide Sensors



Sensors for measuring carbon dioxide and temperature in buildings. 24Vac.

Mounting	Output	Range	Features	Part Number	Stock/ Indent
Air Duct	CO ₂ : 0-10Vdc/4-20mA Temp: 0-10Vdc/4-20mA Relay Output	0 to 2000/3000ppm 0 to 50°C	Contact input for occupancy detection.	AQS51-KAM	I

Sensors & Switches

CMD Carbon Monoxide Sensors



Environmental, industrial and commercial carbon monoxide sensors. To sense and transmit to controllers or applications systems to control air conditioning and ventilation systems. Electro-chemical sensing element. 24Vac/dc.

Mounting	Output	Range	Features	Part Number	Stock/ Indent
Wall	0 -10Vdc or 4-20mA	0 - 300ppm	3% accuracy	CMD3B2000	I
Wall	0 -10Vdc or 4-20mA	0 - 300ppm	5% accuracy	CMD5B2000	I
Wall - weatherproof enclosure	0 -10Vdc or 4-20mA	0 - 300ppm	5% accuracy	CMD5B9000	I

P7620C Differential Pressure Transmitters

The P7620C ceramic cell differential pressure transmitters have been designed for most industrial pressure measurement applications such as compressor controls, pneumatic systems, pump applications. HVAC systems, liquid level measurements and energy and water management.

Accuracy 0.5% FS. Stainless steel housing. Output: 0-10Vdc, 4-20mA models available on request. IP65. 24Vdc.

Range	High Port Max Pressure	Low Port Max Pressure	Output	Part Number	Stock/ Indent
0 to 100kPa	200kPa	200kPa	0-10Vdc	P7620C0010B	I
0 to 100kPa	400kPa	400kPa	0-10Vdc	P7620C0012B	I
0 to 160kPa	320kPa	320kPa	0-10Vdc	P7620C0016B	I
0 to 160kPa	1000kPa	1000kPa	0-10Vdc	P7620C0018B	I
0 to 250kPa	500kPa	500kPa	0-10Vdc	P7620C0025B	I
0 to 250kPa	1000kPa	1000kPa	0-10Vdc	P7620C0027B	I
0 to 400kPa	800kPa	800kPa	0-10Vdc	P7620C0040B	I
0 to 400kPa	2000kPa	2000kPa	0-10Vdc	P7620C0042B	I
0 to 600kPa	1200kPa	1200kPa	0-10Vdc	P7620C0060B	I
0 to 600kPa	1200kPa	2000kPa	0-10Vdc	P7620C0062B	I
0 to 1000kPa	1200kPa	2000kPa	0-10Vdc	P7620C0100B	I
0 to 1600kPa	1200kPa	3200kPa	0-10Vdc	P7620C0160B	I
0 to 2500kPa	1200kPa	5000kPa	0-10Vdc	P7620C0250B	I
			LCD digital indicating meter for 0-10Vdc transmitter	P7620C-LCD-B	I

Sensors & Switches

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DPS Series Differential Pressure Switches



Used for monitoring filter, fan or air flow status of air handling units or for the bypass damper in zoning systems.

IP54, max press 5kPa, adjustable switching point. Rating: 1.5A (R), 0.4A (I) @ 250Vac.

Pressure Range	Switching Differential	Max Pressure	Features	Part Number	Stock/ Indent
20 to 200 Pa	10 Pa	5000 Pa	Media Temperature: -20 to 85°C	DPS200	S
40 to 400 Pa	20 Pa	5000 Pa	Media Temperature: -20 to 85°C	DPS400	AUS
200 to 1000 Pa	100 Pa	5000 Pa	Media Temperature: -20 to 85°C	DPS1000	I
500 to 2500 Pa	150 Pa	5000 Pa	Media Temperature: -20 to 85°C	DPS2500	I

DCM Pressure Switches



The DCM series of pressure switches can be used for overpressure or relative pressure monitoring of non-aggressive liquids and gaseous media.

IP54. SPDT 250Vac 5A(I) 8A(R).

Range	Switching Differential	Max pressure	Features	Part Number	Stock/ Indent
20 to 160 kPa	4 kPa	600 kPa	Media Temperature: -25 to 70°C	DCM1	I
20 to 250 kPa	10 kPa	1600 kPa	Media Temperature: -25 to 70°C	DCM3	I
50 to 600 kPa	15 kPa	1600 kPa	Media Temperature: -25 to 70°C	DCM6	I
100 to 1000 kPa	30 kPa	2500 kPa	Media Temperature: -25 to 70°C	DCM10	I
300 to 1600 kPa	50 kPa	2500 kPa	Media Temperature: -25 to 70°C	DCM16	I
400 to 2500 kPa	100 kPa	6000 kPa	Media Temperature: -25 to 70°C	DCM25	I

UEC Differential Pressure Switch



Differential pressure switch for water or air. Opens or closes the switch contact in response to a change in sensed differential pressure. Suitable for pump and filter applications.

5(3) A @ 250Vac. Max working pressure 150psi. Burst pressure 300psi. Deadband 1psi. Temperature: -1.1 to 71.1°C. Housing: NEMA 1

DP Range	Switch	Media	Features	Part Number	Stock/ Indent
4 to 43.5 psi on pressure rise. 5.5 to 45 psi on pressure fall.	SPDT	Water or Air	Media Temperature: 93°C @100psi	UEC24014M262	NZ

Sensors & Switches

S60 Paddle Flow Switches



The paddle flow switches are designed for monitoring flow rates in pipes and ducts employed in HVAC applications.

Switch: SPDT, 250Vac, 15 (8) A. Setpoint device: Screw. Protection class: IP65

Application	Media	Range	Features	Part Number	Stock/Indent
Air conditioning and Air treatment systems	Non aggressive gases	2.5 to 9.2 m/s	Max media temp: 85°C Max pressure: 25 kPa	S6040A1003	I
Water, oil, cooling circuits and lubrication systems	Non aggressive liquids	0.6 to 165 m/s	Max media temp: 120°C Max pressure: 1100 kPa	S6065A1003	NZ
Water, oil, cooling circuits and lubrication systems	Aggressive liquids	0.6 to 165 m/s	Max media temp: 120°C Max pressure: 3000 kPa	S6065A2001	I

KSW Electronic Flow Switches



The high reliable compact electronic flow switch is designed for detecting water flow in pipes. As soon as the flow speed exceeds or falls under the adjustable setpoint value, the device will switch an electric circuit.

Switch: SPDT, 250Vac, 10(2) A. Immersion depth: 20mm. Protection class: IP65

Voltage and Power	Media	Range	Features	Part Number	Stock/Indent
24Vac 4 VA	Liquid and air	0.05 to 3 m/s	Max media temp: 80°C Max pressure: 3000 kPa	KSW24	I
230Vac 4 VA	Liquid and air	0.05 to 3 m/s	Max media temp: 80°C Max pressure: 3000 kPa	KSW230	I

V-725 Vibcon Seismic Sensor



The V-725 Vibcon senses seismic shocks and shuts down equipment by automatically dropping out the power circuit.

SPST contacts. 15 (6) A 250Vac. Trial switch allows for periodic testing of device.

Range	Sensing Element	Mounting	Features	Part Number	Stock/Indent
100-170 gal (ground acceleration)	Magnetic	Wall mount	Reset - On -Trial Switch Manual reset	V-725	I

Variable Frequency Drives

Variable Frequency Drives	2-2
Accessories	2-5



Variable Frequency Drives

Variable Frequency Drives

NXS VFD (1.1 to 30kW) General Purpose & HVAC



Honeywell variable frequency drives (VFDs) are suitable for high/low overload (constant/variable torque) applications as a speed controller for 3-phase induction motors. These drives come with an alphanumeric display and have a built-in brake chopper for models up to 30kW.

Low overload VFDs are normally used to control centrifugal pumps and fans for HVAC systems. High overload VFDs are normally required in industrial or process installations.

Low overload: 10% for 1 min every 10 mins, 150% starting torque, 40°C ambient temperature.
High overload: 50% for 1 min every 10 mins, 200% starting torque, 50°C ambient temperature.

RFI-Filter: Integrated. AC choke included for protection against overvoltage. Rated Voltage: 3 Phase 380 - 500V (400V nominal). Output Frequency: 0 - 320Hz. Frequency resolution: 0.01Hz. IP54 Protection, IP21 models available on request.

Compliant with EN50081-1, 2 and EN61800-3.

High Overload (for Machines) kW	High Overload Cont Current (IH)	Low Overload (for Fan/Pump)	Low Overload Cont Current (IL)	Part Number	Stock/Indent
0.75kW	2.2A	1.1kW	3.1A	NXS0003V35A5 H1SA1A3	I
1.1kW	3.3A	1.5kW	4.3A	NXS0004V35A5 H1SA1A3	I
1.5kW	4.3A	2.2kW	5.6A	NXS0005V35A5 H1SA1A3	I
2.2kW	5.6A	3kW	7.6A	NXS0007V35A5 H1SA1A3	I
3kW	7.6A	4kW	9A	NXS0009V35A5 H1SA1A3	I
4kW	9A	5.5kW	12A	NXS0012V35A5 H1SA1A3	I
5.5kW	12A	7.5kW	16A	NXS0016V35A5 H1SA1A3	I
7.5kW	16A	11kW	23A	NXS0022V35A5 H1SA1A3	I
11kW	23A	15kW	31A	NXS0031V35A5 H1SA1A3	I
15kW	31A	18.5kW	38A	NXS0038V35A5 H1SA1A3	I
18.5kW	38A	22kW	46A	NXS0045V35A5 H1SA1A3	I
22kW	46A	30kW	61A	NXS0061V35A5 H1SA1A3	I

Variable Frequency Drives

NXS VFD (37 to 110kW) General Purpose & HVAC



Honeywell variable frequency drives (VFDs) are suitable for high/low overload (constant/variable torque) applications as a speed controller for 3-phase induction motors. These drives come with an alphanumeric display.

Low overload VFDs are normally used to control centrifugal pumps and fans for heating, ventilation and air conditioning systems. High overload VFDs are normally required in industrial or process installations.

Low overload: 10% for 1 min every 10 mins, 150% starting torque, 40°C ambient temperature.
High overload: 50% for 1 min every 10 mins, 200% starting torque, 50°C ambient temperature.

RFI-Filter: Integrated. AC choke included for protection against over-voltage. Rated Voltage: 3 Phase 380 - 500V (400V nominal). Output Frequency: 0 - 320Hz. Frequency resolution: 0.01Hz. IP54 Protection, IP21 models available on request.

Compliant with EN50081-1, 2 and EN61800-3.

High Overload (for Machines) kW	High Overload Cont Current (IH)	Low Overload (for Fan/Pump)	Low Overload Cont Current (IL)	Part Number	Stock/Indent
30kW	61A	37kW	72A	NXS0072V35A5 H0SA1A3	I
37kW	72A	45kW	87A	NXS0087V35A5 H0SA1A3	I
45kW	87A	55kW	105A	NXS0105V35A5 H0SA1A3	I
55kW	105A	75kW	140A	NXS0140V35A5 H0SA1A3	I
75kW	140A	90kW	170A	NXS0168V35A5 H0SA1A3	I
90kW	170A	110kW	205A	NXS0205V35A5 H0SA1A3	I
110kW	205A	132kW	261A	NXS0261V35A5 H0SA1A3	I
132kW	245A	160kW	300A	NXS0300V35A5 H0SA1A3	I

Variable Frequency Drives

Variable Frequency Drives

NXL VFD (1.1 to 30kW) Light Industrial & HVAC



Honeywell variable frequency drives (VFDs) (brake: integrated) are suitable for high/low overload (constant/variable torque) applications as a speed controller for 3-phase induction motors. These drives come with a basic numerical display and have a built-in brake chopper.

Low overload VFDs are normally used to control centrifugal pumps and fans for heating, ventilation and air conditioning systems. High overload VFDs are normally required in industrial or process installations.

Low overload: 10% for 1 min every 10 mins, 150% starting torque, 40°C ambient temperature.
High overload: 50% for 1 min every 10 mins, 200% starting torque, 50°C ambient temperature.

RFI-Filter: Integrated. AC choke included for protection against overvoltage. Rated Voltage: 3 Phase 380 - 500V (400V nominal). Output Frequency: 0 - 320Hz. Frequency resolution: 0.01Hz. IP54 Protection, IP21 models available on request.

Compliant with EN50081-1, 2 and EN61800-3.

High Overload (for Machines) kW	High Overload Cont Current (IH)	Low Overload (for Fan/Pump)	Low Overload Cont Current (IL)	Part Number	Stock/Indent
0.75kW	2.2A	1.1kW	3.3A	NXL0003V35C5 H1S	I
1.1kW	3.3A	1.5kW	4.3A	NXL0004V35C5 H1S	I
1.5kW	4.3A	2.2kW	5.6A	NXL0005V35C5 H1S	I
2.2kW	5.6A	3kW	7.6A	NXL0007V35C5 H1S	I
3kW	7.6A	4kW	9A	NXL0009V35C5 H1S	I
4kW	9A	5.5kW	12A	NXL0012V35C5 H1S	I
5.5kW	12A	7.5kW	16A	NXL0016V35C5 H1S	I
7.5kW	16A	11kW	23A	NXL0023V35C5 H1S	I
11kW	23A	15kW	31A	NXL0031V35C5 H1S	I
15kW	31A	18.5kW	38A	NXL0038V35C5 H1S	I
18.5kW	38A	22kW	46A	NXL0046V35C5 H1S	I
22kW	46A	30kW	61A	NXL0061V35C5 H1S	I

Variable Frequency Drives

VFD Accessories

Communication Cards

Wide variety of communication cards available to suit most HVAC and industrial applications.

Details	Part Number	Stock/ Indent
Comms card - RS485 (Modbus/N2)	OPT-C2	I
Comms card - Profibus DP	OPT-C3	I
Comms card - LonWorks	OPT-C4	I
Comms card - Profibus DP (D9 connector)	OPT-C5	I
Comms card - CANopen (slave)	OPT-C6	I
Comms card - DeviceNet	OPT-C7	I
Comms card - RS485 (D9 connector, Modbus/RS485)	OPT-C8	I
Comms card - Modbus/TCP	OPT-CI	I
Comms card - BACnet (RS485)	OPT-CJ	I
Comms card - CAN/Euomap Not suitable for NXL Drives	OPT-CF	I
Comms card - SELMA2 Protocol (SAMI) Not suitable for NXL Drives	OPT-CG	I

Display Panels, Door Sets and Cables

Replacement parts and accessories are available for the NXS and NXL drives.

Details	Part Number	Stock/ Indent
Replacement NXS series alphanumeric display panel	PAN-A	I
Replacement NXL series alphanumeric display panel	PAN-C	I
NXS Door installation set for display panel - 2m cable	DRA-02B	I
NXS Door installation set for display panel - 4m cable	DRA-04B	I
NXS Door installation set for display panel - 15m cable	DRA-15B	I
NXL Door installation set for display panel - 2m cable	DRA-02L	I
NXL Door installation set for display panel - 4m cable	DRA-04L	I
RS232 Serial link cable - 2m	RS232C-2M	I
RS232 Serial link cable - 4m	RS232C-4M	I
RS232 Serial link cable - 15m	RS232C-15M	I
RS232 PC cable - 1.5m	RS232-1,5PC	I

Temperature & Humidity Controllers

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Temperature & Humidity Controllers

Remote Sensor Temperature Controls

T775 Electronic Temperature Control 2000 Series



The T775 Series 2000 standalone controllers are the next generation of commercial and agricultural controls capable of remote sensing of temperature and providing switched and/or proportional outputs to various types of loads.

The T775U universal controller can be used for humidity, pressure or any 0-10Vdc or 4-20mA input.

24Vac, 120Vac or 240Vac. Sensor included for each sensor input.

Output relays rated 125VA@240Vac, 10A@24Vac.

Range	Sensor Inputs	Outputs	Features	Part Number	Stock/Indent
-40 to 120°C	1	1 SPDT Relay	Standard	T775A2009	I
-40 to 120°C	2	2 SPDT Relays 2 Floating	Standard	T775B2040	I
-40 to 120°C	2	4 SPDT Relays	Standard Expandable	T775B2024	I
-40 to 120°C	2	4 SPDT Relays 2 Analog	Modulating	T775M2030	I
-40 to 120°C	2	2 SPDT Relay 1 or 2 Analog	Modulating	T775M2048	I
-40 to 120°C	2	2 SPDT Relays 1 Floating	Reset Option	T775R2035	I
-40 to 120°C -3000 to 3000 kPa 0 to 100%	1 - 0-10Vdc/4-20mA 1 - temperature input for reset only	2 SPDT Relays 2 Analog	Universal controller	T775U2006	I
-40 to 120°C	3	4 SPDT	Boiler model with reset Expandable	T775P2003	I
		4 SPDT	Expansion module	T775S2008	I
			Standard Sensor for T775A- M,R	50021579-001/U	I
			Stainless steel immerison well 1/2" thread	50001774-001/U	I

Commercial Temperature Controls

TB6980 TB7980 ZonePRO Controller



The ZonePRO controllers are ideal for low voltage variable air volume applications. They can also be used for hydronic perimeter heating/cooling and bypass box with or without reheat.

Can be used with Honeywell non spring return damper actuators.

24Vac.

Range	Output	Mount	Features	Part Number	Stock/Indent
10 to 35°C	1 Floating	Wall	Heating or Cooling Night setback option	TB6980A1007/U	I
10 to 35°C	1 Floating 1 Modulating (0/2- 10Vdc) or Triac 1 Triac	Wall	Heating or Cooling Output 2 for heating only Night setback option	TB6980B1006/U	I
10 to 35°C	1 Modulating (0/2- 10Vdc)	Wall	Heating or Cooling Night setback option	TB7980A1006/U	I
10 to 35°C	1 Modulating (0/2- 10Vdc) 1 Modulating (0/2- 10Vdc) or Triac	Wall	Heating or Cooling Output 2 for heating only Night setback option	TB7980B1005/U	I
		Duct	Duct temperature sensor	50014157-001/U	I
		Wall	Remote temperature sensor	50014156-002/U	I

Temperature & Humidity Controllers

Commercial Temperature Controls

T9275A Smartronic Temperature Controller



Smartronic is the ideal controller for 2 or 4 pipe fan coil units or heat exchangers. Used with a NTC20K sensor, it controls modulating and/or switched outputs. 24Vac.

Range	Input	Output	Features	Part Number	Stock/ Indent
-20 to 110°C	1 Analog (NTC20k) 1 Digital	1 Analog (2-10V/4-20mA) 1 Digital	White and Grey PI Control DIN rail mountable	T9275A1002	AUS

T8078C Room Temperature Controller



Micro-electronic individual room controller. P+I control, 18-30 Vac input, modulating and 24Vac On/Off outputs with 3 modes of operation; 3 position modulating, thermal predictive modulating (TPM) for thermo-electric actuators and on/off.

Can be used with remote sensors and remote setpoint adjustment. When used with a Q6360 subbase can switch 240Vac 3 speed fan. Range stops can be used to limit temperature adjustment.

Range	Output	Features	Part Number	Stock/ Indent
10-30°C	P + I Modulating TPM - On/off	Premier White Sensor Input Setpoint Input	T8078C1009	I
-	3 Speed Fan Outputs for 240Vac	Subbase for switching Fan Speeds	Q6360A1025	I
10-30°C	Resistance Setpoint & Sensor	Premier White Remote Sensor & Setpoint Controller	Q979C1036	I
	Sensor	Premier White Remote Wall-mount Sensor	Q979A1020	I
	Sensor	Remote Sensor No Enclosure	T8109C1002	I
	-	Range Stops Bag of 20	F42006646-001	I

Series 90 Room Controller



Room controller that provides modulating proportional control. 0 to 135 Ohm, 3-wire signal output. 24 Vac.

Range	Output	Features	Part Number	Stock/ Indent
13-29°C	Proportional Heating Output	Silver Bronze Thermometer	T921A1183	AUS

Temperature & Humidity Controllers

Electromechanical Temperature Controls

T631 Air Switch Controller



Air Switch Controller with heavy-duty corrosion resistant steel case. Suitable for lift motor rooms, farm storage areas etc.

Line voltage switching: 3.7A (I) 5A(R) at 240VAC. SPDT switches

Temp Range	Output	Differential	Features	Part Number	Stock/Indent
-35 to 35°C	1 SPDT	1.7°C fixed differential		T631C1152	I
-10 to 30°C	1 SPDT	1.7°C fixed differential		T631C1038	I
20 to 60°C	1 SPDT	1.1°C fixed differential		T631C1160	AUS
20 to 60°C	1 SPDT	1.1°C fixed differential		T631C1046	I
35 to 100°F	2 SPDT	1.7°C fixed differential	2 Stage. Adjust interstage differential 0-4°C	T631B1054	I

T675 Commercial Temperature Controller



Ambient temperature compensated liquid filled copper elements with 1/2in diameter sensing bulbs.

Range	Switch Rating (@ 240Vac)	Capillary Length (m)	Features	Part Number	Stock/Indent
-15 to 35°C	0.5FLA	1.5	Fixed differential 0.6°C	T675A1284	S
-15 to 35°C	5.1FLA	1.5	Adjustable differential 1.7 to 5.6°C	T675A1169	S
-15 to 35°C	5.1FLA	6.1	Adjustable differential 1.7 to 5.6°C	T675A1920	I
15 to 75°C	5.1FLA	1.5	Adjustable differential 1.7 to 5.6°C	T675A1466	S
15 to 75°C	5.1FLA	6.1	Adjustable differential 1.7 to 5.6°C	T675A1474	AUS
75 to 125°C	5.1FLA	1.5	Adjustable differential 1.7 to 5.6°C	T675A1243	S
75 to 125°C	5.1FLA	6.1	Adjustable differential 1.7 to 5.6°C	T675A1250	I
0 to 100°F	5.1FLA	3.0	Compressor protection control Scale in °F Set to break at 3°C Manual reset, BOF	T675B1002	I
T675/T678/T991			Copper Well	112622AA	I
T675/T678/T991			Stainless Steel Well	121371E/U	I

Temperature & Humidity Controllers

Electromechanical Temperature Controls

T678 Two Stage Temperature Controller



Has 2 SPDT switches that operate in sequence. Adjustable interstage differential and individual switch differential. Switches rated 8.3FLA maximum total per controller. 1/2in diameter sensing bulbs.

Range	Switch Rating (@ 240Vac)	Capillary Length (m)	Features	Part Number	Stock/ Indent
-15 to 35°C	8.3FLA	1.5	Interstage differential 1.7-5.6°C. Switch differential 1.7°C	T678A1155	AUS
-15 to 35°C	8.3FLA	6.1	Interstage differential 1.7-5.6°C. Switch differential 1.7°C	T678A1163	I
15 to 75°C	8.3FLA	1.5	Interstage differential 2-6.7°C Switch differential 2°C	T678A1395	AUS
75 to 125°C	8.3FLA	1.5	Interstage differential 2-6.7°C Switch differential 2°C	T678A1239	AUS

T6031 Refrigeration Controller



Provide limit or temperature control in refrigerated areas where remote mounting of the sensing element is required. Liquid filled copper elements with 3/8" diameter sensing bulbs.

Range	Switch Rating (@ 240Vac)	Capillary Length (m)	Features	Part Number	Stock/ Indent
-35 to 30°C	5.1FLA	2.4	Adjustable differential 2-9°C	T6031A1086	I
-35 to 30°C	5.1FLA	6.1	Adjustable differential 2-9°C	T6031A1235	I
5 to 80°C	0.5FLA	1.7	Fixed differential 1.1°C	T6031C1041	I

T991A Series 90 HVAC Temperature Controller



Proportional temperature controllers for modulating control of valves and actuators. Ambient temperature compensated, liquid filled copper elements with 1/2in diameter sensing bulbs.

Range	Capillary Length (m)	Throttling Range	Features	Part Number	Stock/ Indent
-15 to 35°C	1.5	1.7 to 17°C	Output: 0-135 Ω	T991A1095	AUS
-15 to 35°C	6.1	1.7 to 17°C	Output: 0-135 Ω	T991A1103	I
15 to 75°C	1.5	1.7 to 17°C	Output: 0-135 Ω	T991A1210	AUS
15 to 75°C	6.1	1.7 to 17°C	Output: 0-135 Ω	T991A2119	I
75 to 125°C	1.5	1.7 to 17°C	Output: 0-135 Ω	T991A1152	AUS

T991E Series 90 Burner Temperature Controller



Proportional temperature controllers for modulating control of boilers. Liquid filled copper elements with 1/2in diameter sensing bulbs. 0-135 Ω output. Has end switch to cycle burner on and off at low fire.

Range	Capillary Length (m)	Throttling Range	Features	Part Number	Stock/ Indent
71 to 127°C	1.5	6°C	Fixed differential 2°C	T991E1018	AUS

Temperature & Humidity Controllers

Humidity Controls

H8908 Humidity control



The H8908 are compact low voltage humidity and dehumidity controllers.

24Vac. Positive off.

Application	Range	Mount	Features	Part Number	Stock/Indent
Humidification	10-60% RH	Wall or Duct	SPST switch	H8908B1002	I
De-humidification	20-80% RH	Wall or Duct	SPST switch	H8908C1000	I

H6120A Humidistat



The H6120A single stage room humidistat is designed for monitoring relative humidity in air conditioning systems and for controlling air humidifiers and dehumidifiers for dehumidification control in indoor swimming pools.

230Vac, 50Hz

Mounting	Humidity Range (RH)	Switch Rating @ 240Vac	Features	Part Number	Stock/Indent
Wall	35 to 100%	5A(R) 0.2A(I)	Switching hysteresis 4% RH	H6120A1000	NZ

H205 Electro-Mechanical Enthalpy Control



Enthalpy control that senses total heat (humidity & temperature) of outside air. Features nylon humidity sensor. Liquid filled temperature sensing bulb. With mounting plate and adjustment knob.

Mount	Contact Ratings @ 240V	Range	Features	Part Number	Stock/Indent
Duct	Make on rise 2A Break on rise 250mA	12 to 26°C 10 to 80% RH	SPDT Contacts	H205A1012	I

H705 Solid State Enthalpy Control



Enthalpy control that senses total heat (humidity & temperature) of outside air.

Consists of W7459A solid state economiser module + C7400 solid state enthalpy sensor on a mounting plate. For differential enthalpy control add second C7400.

Mount	Contact Ratings @ 24Vac	Range	Features	Part Number	Stock/Indent
Duct	1.5A Run 3.5A In-rush	7 to 35°C 20 to 90% RH	SPDT Contacts	H705A1003	I

Temperature & Humidity Controllers

Limit Controls

L4008/L6008 US Aquastats



L4008/L6008 aquastat controllers are immersion type devices for limiting or regulating the temperature of liquids in boilers, storage tanks and other applications where temperature control is required. Remote temperature element detects and responds quickly to temperature changes.

Contacts rated 5.1FLA@240Vac - 3/8in x 2-7/8 copper sensing bulb.

Range	Switch	High Limit	Features	Part Number	Stock/ Indent
100-240°F 38-116°C	SPST contacts break on rise		Capillary length 1676mm (66")	L4008A1015	I
130-270°F 132°C	54- SPST contacts break on rise	Stop factory set at 200°F	Capillary length 3048mm (120") 5-30°F (3-17°C) adjustable differential	L4008A1130	I
130-270°F 54 - 132°C	SPST contacts break on rise	Stop factory set at 250°F	Capillary Length 1676mm (66") Manual reset	L4008E1040	I

L4188 European Aquastat



Direct immersion-type thermostat for hot water boilers and hydronic heating, complete with plastic casing. Direct mount. Slim, 5mm diameter sensing bulb.

Contacts: 10A(R), 2.5A(I) @240Vac. - SPST Switch

Range	Mount	Differential	Features	Part Number	Stock/ Indent
25 - 95°C	Direct	4°C fixed	Without thermowell Adjustment via Internal Screw	L4188B2013B	I
40 - 100°C	Direct	4°C fixed	Without thermowell Adjustment via Internal Screw	L4188B2005B	I

L6188 European Aquastat



Immersion-type thermostat for hot water boilers and hydronic heating, complete with plastic casing. Direct mount. Slim, 5mm diameter sensing bulb.

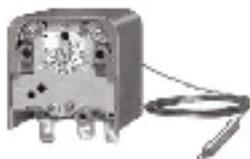
Standard models include thermowell - suitable for panel mounting. Tradeline model includes adaptors for existing Honeywell & competitor thermowells. Contacts: 10A(R), 2.5A(I)@240Vac - SPDT Switch

Range	Mount	Differential	Features	Part Number	Stock/ Indent
25 - 95°C	Direct	4 - 10°C adjustment		L6188A2002	S
25 - 95°C	Direct	Manual reset	Internal screw setting	L6188C2016	NZ
25 - 95°C	Direct	4-10°C adjustment	Without thermowell	L6188A2028	NZ
40 - 110°C	Direct	4-10°C adjustment	Tradeline model	L6188A2044	I
40 - 110°C	Direct	4-10°C adjustment		L6188A2010	S
70 - 140°C	Direct	Manual reset	Internal screw setting Without thermowell	L6188C2008	S
70 - 140°C	Direct	4-10°C adjustment		L6188A2036	I
70 - 140°C	Direct	4-10°C adjustment	Special mounting bracket	L6188B2018	I
			100mm x 5mm Thermowell	45900409-003B	NZ

Temperature & Humidity Controllers

Limit Controls

L6189 European Aquastat



Immersion-type thermostat for hot water boilers and hydronic heating, complete with plastic casing. Remote bulb with 1.5m capillary. Slim, 5mm diameter sensing bulb.

Standard models include thermowell - Suitable for panel mounting. Tradeline model includes adaptors for existing Honeywell & competitor thermowells. Contacts: 10A(R), 2.5A(I) @240Vac - SPDT Switch

Range	Mount	Differential	Features	Part Number	Stock/Indent
40 - 110°C	Remote	Manual reset	Panel mount Internal screw setting	L6189C2007	NZ
40 - 110°C	Remote	4-10°C adjustment	Panel mount	L6189A2043	NZ

L6190 European Aquastat

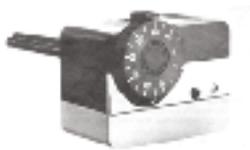


The L6190 aquastat thermostat is a sensitive water temperature thermostat designed for surface mounting on domestic hot water cylinders or pipe work and hydronic heating systems

Contacts: 10A(R), 2.5A(I)@240VAC - SPDT Switch.

Range	Mount	Differential	Features	Part Number	Stock/Indent
25 - 95°C	Surface	Manual reset	Internal screw setting SPDT	L6190C2004	NZ
25 - 95°C	Surface	8°C Fixed	Internal screw setting SPDT	L6190B2006	NZ

L6191 Twin Aquastat



European dual aquastat. Controller and limiter in one cover, external temperature setting dial, internal setting for high limit control

Fixed 4 °C differential on high limit. Direct Mount. Contacts rated at 10A(R), 2.5A(I)@240VAC.

Range	Mount	Differential	Features	Part Number	Stock/Indent
25 to 95°C	Direct	Manual Reset on Limit	Limit Temperature Range 40 to 110°C Capillary length 55mm (both)	L6191B2005	NZ
40 to 110°C	Direct	4-10°C on control	Capillary length 55mm (both)	L6191A2007	NZ
40 to 110°C	Direct	Manual Reset on Limit	Capillary Length 55mm (both)	L6191B2013	NZ

Limit Controls

L4064 Fan & Limit Control



Fan and limit control for forced air heaters. Provide fan circulator control (fan controlled by duct air temperature) and high limit cut-out. Manual/Auto fan switch.

High limit range 10 - 121°C. High limit differential 14°C. Fan on range 18 - 102°C. Fan off range 10 - 96°C.

Insertion Length (Inches)	Range	High Limit	Features	Part Number	Stock/Indent
5	Off at 40°C On at 50°C	High Limit 93°C	Auto reset on high limit	L4064B2640B	I
8	Off at 40°C On at 50°C	High Limit 93°C	Auto reset on high limit	L4064B3051B	AUS
8	Off at 66°C On at 74°C	High Limit 93°C	Manual reset on high limit	L4064N1066B	AUS
11.5	Off at 40°C On at 50°C	High Limit 93°C	Auto reset on high limit	L4064B3044B	AUS
11.5	Off at 40°C On at 50°C	High Limit 93°C	Manual reset on high limit	L4064N1058B	NZ
11.5	Off at 40°C On at 50°C	High Limit 120°C	Auto reset on high limit	L4064B3069B	NZ
11.5	Off at 66°C On at 74°C	High Limit 93°C	Manual reset on high limit	L4064N1074B	AUS

4

Valves

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2-Way Threaded Valves

V5822A 2-Way Small Valve



2-way small valve for individual room control, small reheaters, coolers and fan coil units. Conical sealing end connections. External threaded BSPP connections.

Brass plug/plunger Stroke: 6.5mm Flow: Equal % Pressure: PN16 Temp: 2-120°C
Refer to Fittings for Valves (Part No's, ACN-15S, ACN-15T, ACN-20S, ACN-20T)

DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/Indent
15	0.16	M7410C1007 Close Off Pres. 1600 kPa	M7410E1002 Close Off Pres. 1600 kPa	V5822A1006	AUS
15	0.25	M7410C1007 Close Off Pres. 1600 kPa	M7410E1002 Close Off Pres. 1600 kPa	V5822A1014	AUS
15	0.40	M7410C1007 Close Off Pres. 1600 kPa	M7410E1002 Close Off Pres. 1600 kPa	V5822A1022	AUS
15	0.63	M7410C1007 Close Off Pres. 1600 kPa	M7410E1002 Close Off Pres. 1200 kPa	V5822A1030	AUS
15	1.00	M7410C1007 Close Off Pres. 1200 kPa	M7410E1002 Close Off Pres. 1200 kPa	V5822A1048	AUS
15	1.60	M7410C1007 Close Off Pres. 1200 kPa	M7410E1002 Close Off Pres. 1200 kPa	V5822A1055	S
20	2.50	M7410C1007 Close Off Pres. 400 kPa	M7410E1002 Close Off Pres. 400 kPa	V5822A1063	S
20	4.00	M7410C1007 Close Off Pres. 400 kPa	M7410E1002 Close Off Pres. 400 kPa	V5822A1071	AUS
15	1.60	M7410A1001 Close Off Pres. 180 kPa		V5822A4000	I
20	4.00	M7410A1001 Close Off Pres. 50 kPa		V5822A4018	I

2-Way Threaded Valves

V5825B 2-Way Small Valve Pressure Balanced



2-way valve for modulating control of hot/cold water in HVAC systems. Specially suited to high pressure and high temperature. Flat/gasket sealing ports. Normally closed and pressure balanced. External threaded BSPP connections.

Stroke: 6.5mm Flow: Equal % Pressure: PN25 Temp: 2-130°C

Refer to Fittings for Valves (Part No's, ACS-15T, ACS-20T, ACS-25T, ACS-32T)

DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/ Indent
15	0.25	M7410C1015 Close Off Pres 1600 kPa ML6435B1008 Close Off Pres 2500 kPa	M7410E1028 Close Off Pres 1600 kPa ML7435B1004 Close Off Pres 2500 kPa	V5825B1001	AUS
15	0.40	M7410C1015 Close Off Pres 1600 kPa ML6435B1008 Close Off Pres 2500 kPa	M7410E1028 Close Off Pres 1600 kPa ML7435B1004 Close Off Pres 2500 kPa	V5825B1019	AUS
15	0.63	M7410C1015 Close Off Pres 1600 kPa ML6435B1008 Close Off Pres 2500 kPa	M7410E1028 Close Off Pres 1600 kPa ML7435B1004 Close Off Pres 2500 kPa	V5825B1027	AUS
15	1.00	M7410C1015 Close Off Pres 1600 kPa ML6435B1008 Close Off Pres 2500 kPa	M7410E1028 Close Off Pres 1600 kPa ML7435B1004 Close Off Pres 2500 kPa	V5825B1035	AUS
15	1.60	M7410C1015 Close Off Pres 1600 kPa ML6435B1008 Close Off Pres 2500 kPa	M7410E1028 Close Off Pres 1600 kPa ML7435B1004 Close Off Pres 2500 kPa	V5825B1043	AUS
20	2.50	M7410C1015 Close Off Pres 1600 kPa ML6435B1008 Close Off Pres 2500 kPa	M7410E1028 Close Off Pres 1600 kPa ML7435B1004 Close Off Pres 2500 kPa	V5825B1050	AUS
20	4.00	M7410C1015 Close Off Pres 1600 kPa ML6435B1008 Close Off Pres 2500 kPa	M7410E1028 Close Off Pres 1600 kPa ML7435B1004 Close Off Pres 2500 kPa	V5825B1068	AUS
25	6.30	M7410C1015 Close Off Pres 1600 kPa ML6435B1008 Close Off Pres 2500 kPa	M7410E1028 Close Off Pres 1600 kPa ML7435B1004 Close Off Pres 2500 kPa	V5825B1076	I
32	10.00	M7410C1015 Close Off Pres 1600 kPa ML6435B1008 Close Off Pres 2500 kPa	M7410E1028 Close Off Pres 1600 kPa ML7435B1004 Close Off Pres 2500 kPa	V5825B1084	I

2-Way Threaded Valves

V5832A 2-Way Small Valve



2-way small valve for domestic hot water, small reheaters, coolers, and fan coil units. Flat sealing end connections. External threaded BSPP connections.

Stroke: 6.5mm Flow: Equal % Pressure: PN16 Temp: 2-120°C

Max differential pressure 60kPa

Refer to Fittings for Valves (Part No's, AC-15FS, AC-20FS, AC-15FT, AC-20FT)

DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/ Indent
15	0.16	M7410C1007 Close Off Pres. 1600 kPa	M7410E1002 Close Off Pres. 1600 kPa	V5832A1004	I
15	0.25	M7410C1007 Close Off Pres. 1600 kPa	M7410E1002 Close Off Pres. 1600 kPa	V5832A1012	I
15	0.40	M7410C1007 Close Off Pres. 1600 kPa	M7410E1002 Close Off Pres. 1600 kPa	V5832A1020	I
15	0.63	M7410C1007 Close Off Pres. 1600 kPa	M7410E1002 Close Off Pres. 1600 kPa	V5832A1038	I
15	1.00	M7410C1007 Close Off Pres. 1200 kPa	M7410E1002 Close Off Pres. 1200 kPa	V5832A1046	I
15	1.60	M7410C1007 Close Off Pres. 1200 kPa	M7410E1002 Close Off Pres. 1200 kPa	V5832A1053	I
20	2.50	M7410C1007 Close Off Pres. 400 kPa	M7410E1002 Close Off Pres. 400 kPa	V5832A1061	I
20	4.00	M7410C1007 Close Off Pres. 400 kPa	M7410E1002 Close Off Pres. 400 kPa	V5832A1079	I

2-Way Threaded Valves

V5832B 2-Way Small Valve



2-way small valve for domestic hot water, small reheaters, coolers, and fan coil units. External threaded BSPP connections.

Stroke: 6.5mm Flow: Linear Pressure: PN16 Temp: 2-120°C
 Refer to Fittings for Valves (Part No's, AC-25T, AC-25S, AC-25TF, AC-32T, AC-32S, AC-32TF, AC-40T, AC-40S, AC-40TF)

DN_Kvs	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/Indent
25	4.0	M7410C1015 Close Off Press 600 kPa ML6435B1008 Close Off Press 1600 kPa	M7410E1028 Close Off Press 600 kPa ML7435E1004 Close Off Press 1600 kPa	V5832B2075	AUS
25	6.3	M7410C1015 Close Off Press 600 kPa ML6435B1008 Close Off Press 1600 kPa	M7410E1028 Close Off Press 600 kPa ML7435E1004 Close Off Press 1600 kPa	V5832B2083	AUS
25	10.0	M7410C1015 Close Off Press 600 kPa ML6435B1008 Close Off Press 1600 kPa	M7410E1028 Close Off Press 600 kPa ML7435E1004 Close Off Press 1600 kPa	V5832B2091	AUS
32	16.0	M7410C1015 Close Off Press 500 kPa ML6435B1008 Close Off Press 1200 kPa	M7410E1028 Close Off Press 500 kPa ML7435E1004 Close Off Press 1200 kPa	V5832B2109	AUS
40	25.0	M7410C1015 Close Off Press 400 kPa ML6435B1008 Close Off Press 1000 kPa	M7410E1028 Close Off Press 400 kPa ML7435E1004 Close Off Press 1000 kPa	V5832B2117	AUS

2-Way Threaded Valves

V5011R 2-Way Threaded Valve



2-way threaded valves for heating, ventilation & air conditioning; hot & chilled water.
Internal threaded BSPP connections.

Brass Plug/plunger Stroke: 20mm.

Flow: Equal % Pressure: PN16 Temp: Water: 2-120°C @ 1600kPa

DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/ Indent
15	0.6	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5011R1000	I
15	1.0	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5011R1018	I
15	1.6	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5011R1026	I
15	2.5	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5011R1034	I
15	4.0	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5011R1042	I
20	6.3	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5011R1059	I
25	10.0	ML6420A3007-E ML6425A, B Close Off Pres. 1000 kPa ML6421A3005 Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000 kPa ML7421A1032-E Close Off Pres. 1600 kPa	V5011R1067	I
32	16.0	ML6420A3007-E ML6425A, B Close Off Pres. 700 kPa ML6421A3005 Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 700 kPa ML7421A1032-E Close Off Pres. 1600 kPa	V5011R1075	I
40	25.0	ML6420A3007-E ML6425A, B Close Off Pres. 460 kPa ML6421A3005 Close Off Pres. 1500 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 460 kPa ML7421A1032-E Close Off Pres. 1500 kPa	V5011R1083	I
50	40.0	ML6420A3007-E ML6425A, B Close Off Pres. 260 kPa ML6421A3005 Close Off Pres. 850 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 260 kPa ML7421A1032-E Close Off Pres. 850 kPa	V5011R1091	I

2-Way Threaded Valves

V5011S 2-Way Threaded Valve



2-way single seated control or shut-off valve with yellow brass body and stainless plunger. Application for hot water, chilled water, domestic hot water, saturated steam, superheated steam in HVAC. Internal threaded BSPP connections.

Stainless Plug/plunger Stroke: 20mm

Flow: Equal % Pressure: PN16 Temp: 2-120°C @ 1600kPa; 120-170°C @ 1490kPa

DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/Indent
15	0.6	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5011S1005	I
15	1.0	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5011S1013	I
15	1.6	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5011S1021	I
15	2.5	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5011S1039	S
15	4.0	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5011S1047	S
20	6.3	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5011S1054	S
25	10.0	ML6420A3007-E ML6425A, B Close Off Pres. 1000 kPa ML6421A3005 Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000 kPa ML7421A1032-E Close Off Pres. 1600 kPa	V5011S1062	S
32	16.0	ML6420A3007-E ML6425A, B Close Off Pres. 700 kPa ML6421A3005 Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 700 kPa ML7421A1032-E Close Off Pres. 1600 kPa	V5011S1070	AUS
40	25.0	ML6420A3007-E ML6425A, B Close Off Pres. 460 kPa ML6421A3005 Close Off Pres. 1500 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 460 kPa ML7421A1032-E Close Off Pres. 1500 kPa	V5011S1088	AUS
50	40.0	ML6420A3007-E ML6425A, B Close Off Pres. 260 kPa ML6421A3005 Close Off Pres. 850 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 260 kPa ML7421A1032-E Close Off Pres. 850 kPa	V5011S1096	NZ

2-Way Threaded Valves

V5011P 2-Way Threaded Valve (Water)



2-way threaded valve for HVAC; hot & chilled water.
Internal threaded BSPT connections.

Brass plug/plunger Stroke: 20mm

Flow: Equal % Pressure: PN20 Temp: Water: 2-120°C max 2000kPa; 120-170°C max 1280kPa

DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/Indent
25	10.0	ML6420A3007-E ML6425A, B Close Off Pres 1000 kPa	ML7420A6033-E ML7425A, B Close Off Pres 1000 kPa	V5011P1004	AUS
32	16.0	ML6420A3007-E ML6425A, B Close Off Pres 700 kPa	ML7420A6033-E ML7425A, B Close Off Pres 700 kPa	V5011P1012	AUS
40	25.0	ML6420A3007-E ML6425A, B Close Off Pres 1460 kPa	ML7420A6033-E ML7425A, B Close Off Pres 460 kPa	V5011P1020	AUS
50	40.0	ML6420A3007-E ML6425A, B Close Off Pres 260 kPa	ML7420A6033-E ML7425A, B Close Off Pres 260 kPa	V5011P1038	AUS

V5011P 2-Way Threaded Valve (Steam)



2-way single seated control or shut-off valve with yellow brass body and stainless plunger. Application for hot water, chilled water, domestic hot water, saturated steam, superheated steam in HVAC. Internal threaded BSPT connections.

Stainless Plug/Plunger. Stroke: 20mm

Flow: Equal % Pressure: PN12 Temp: 2-120°C @ 690kPa

DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/Indent
32	16.0	ML6420A3007-E ML6425A, B Close Off Pres 700 kPa	ML7420A6033-E ML7425A, B Close Off Pres 700 kPa	V5011P2002	I
40	25.0	ML6420A3007-E ML6425A, B Close Off Pres 460 kPa	ML7420A6033-E ML7425A, B Close Off Pres 460 kPa	V5011P2010	I
50	40.0	ML6420A3007-E ML6425A, B Close Off Pres 260 kPa	ML7420A6033-E ML7425A, B Close Off Pres 260 kPa	V5011P2028	I

2-Way Flanged Valves

V5328A 2-Way Flanged Valve



2-way flanged valve for heating & air conditioning. Stainless steel trim with cast iron body.

Stroke: 20mm Flow: Equal % Pressure: PN16
Temp: 2-120°C @ 1600kPa; 120-150°C @ 1400kPa; 150-170°C @ 1370kPa

DN	Kvs	Actuator: On/Off - Floating	Actuator Modulating	Part Number	Stock/ Indent
15	4.0	ML6420A3007-E ML6425A, B Close Off Pres. 1000 kPa ML6421A3005 Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000 kPa ML7421A1032-E Close Off Pres. 1600 kPa	V5328A1039	I
20	4.0	ML6420A3007-E ML6425A, B Close Off Pres. 1000 kPa ML6421A3005 Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000 kPa ML7421A1032-E Close Off Pres. 1600 kPa	V5328A1047	I
20	6.3	ML6420A3007-E ML6425A, B Close Off Pres. 1000 kPa ML6421A3005 Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000 kPa ML7421A1032-E Close Off Pres. 1600 kPa	V5328A1054	I
25	10.0	ML6420A3007-E ML6425A, B Close Off Pres. 1000 kPa ML6421A3005 Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000 kPa ML7421A1032-E Close Off Pres. 1600 kPa	V5328A1062	NZ
32	16.0	ML6420A3007-E ML6425A, B Close Off Pres. 600 kPa ML6421A3005 Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 600 kPa ML7421A1032-E Close Off Pres. 1600 kPa	V5328A1070	NZ
40	25.0	ML6420A3007-E ML6425A, B Close Off Pres. 350 kPa ML6421A3005 Close Off Pres. 1300 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 350 kPa ML7421A1032-E Close Off Pres. 1300 kPa	V5328A1088	NZ
50	40.0	ML6420A3007-E ML6425A, B Close Off Pres. 200 kPa ML6421A3005 Close Off Pres. 750 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 200 kPa ML7421A1032-E Close Off Pres. 750 kPa	V5328A1096	NZ
65	63.0	ML6420A3007-E ML6425A, B Close Off Pres. 120 kPa ML6421A3005 Close Off Pres. 470 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 120 kPa ML7421A1032-E Close Off Pres. 470 kPa	V5328A1104	I
80	100.0	ML6420A3007-E ML6425A, B Close Off Pres. 50 kPa ML6421A3005 Close Off Pres. 230 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 50 kPa ML7421A1032-E Close Off Pres. 230 kPa	V5328A1112	I

2-Way Flanged Valves

V5016A 2-Way Flanged Valve (Pressure Balanced)



Single seated 2-way flanged valve used for modulating control of chilled/hot water & steam. Nodular iron body, Stainless plug, stem and seat. Noise optimised and balanced, these valves are specifically designed for high differential pressure applications. Replaces V176A valves.

Stroke: 20mm (up to DN80); 38mm (DN100-DN150)
Flow: Equal % Pressure: PN16 Temp: 2-180°C @ 1600kPa

DN	Kvs	Actuator: On/Off - Floating	Actuator: Modulating	Part Number	Stock/ Indent
15	4	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5016A1069	I
20	6.3	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5016A1077	I
25	10.0	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5016A1085	I
32	16.0	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5016A1093	I
40	25.0	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5016A1101	I
50	40.0	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5016A1119	I
65	63.0	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5016A1127	I
80	100.0	ML6420A3007-E ML6425A, B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1600 kPa	V5016A1135	I
100	160.0	ML6421B3004 Close Off Pres. 1600 kPa	ML7420A1023-E Close Off Pres. 1600 kPa	V5016A1143	I
125	250.0	ML6421B3004 Close Off Pres. 1600 kPa	ML7420A1023-E Close Off Pres. 1600 kPa	V5016A1150	I
150	360.0	ML6421B3004 Close Off Pres. 1600 kPa	ML7420A1023-E Close Off Pres. 1600 kPa	V5016A1168	I

2-Way Flanged Valves

V5328A 2-Way Flanged Valve Pressure Balanced (Water)

2-way flanged valve for heating & air conditioning. Stainless steel trim with cast iron body.

Pressure balanced. Stroke: 20mm

Flow: Equal % Pressure: PN16

Temp: 2-120°C @ 1600kPa; 120-150°C @ 1400kPa; 150-170°C @ 1370kPa



DN	Kvs	Actuator: On/Off - Floating	Actuator: Modulating	Part Number	Stock/ Indent
50	40.0	ML6420A3007-E ML6425A, B Close Off Pres. 1000 kPa ML6421A3005 Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000 kPa ML7421A1032-E Close Off Pres. 1600 kPa	V5328A1161	AUS
65	63.0	ML6420A3007-E ML6425A, B Close Off Pres. 1000 kPa ML6421A3005 Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000 kPa ML7421A1032-E Close Off Pres. 1600 kPa	V5328A1179	AUS
80	100.0	ML6420A3007-E ML6425A, B Close Off Pres. 1000 kPa ML6421A3005 Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000 kPa ML7421A1032-E Close Off Pres. 1600 kPa	V5328A1187	AUS

V5088A 2-Way Flanged Valve Pressure Balanced (Water)

2-way flanged valve for heating & air conditioning. Stainless steel trim with cast iron body.

Pressure balanced. Stroke: 38mm

Flow: Equal % Pressure: PN16

Temp: 2-120°C @ 1600kPa; 120-150°C @ 1440kPa; 150-200°C @ 1280kPa; 200-220°C @ 1200kPa



DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/ Indent
100	160.0	ML6421B3004 Close Off Pres. 1000 kPa	ML7421B1023-E Close Off Pres. 1000 kPa	V5088A1005	AUS
125	250.0	ML6421B3004 Close Off Pres. 1000 kPa	ML7421B1023-E Close Off Pres. 1000 kPa	V5088A1013	AUS
150	360.0	ML6421B3004 Close Off Pres. 1000 kPa	ML7421B1023-E Close Off Pres. 1000 kPa	V5088A1021	AUS

2-Way Flanged Valves

V5328A 2-Way Flanged Valve Pressure Balanced (Steam)

2-way flanged valve for heating & air conditioning. Stainless steel trim with cast iron body.

Pressure balanced. Stroke: 20mm

Flow: Equal % Pressure: PN16

Temp: 2-120°C @ 1600kPa; 120-150°C @ 1400kPa; 150-170°C @ 1370kPa



DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/Indent
50	40.0	ML6420A3007-E ML6425A, B Close Off Pres. 1000 kPa ML6421A3005 Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000 kPa ML7421A1032-E Close Off Pres. 1600 kPa	V5328A2003	AUS
65	63.0	ML6420A3007-E ML6425A, B Close Off Pres. 1000 kPa ML6421A3005 Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000 kPa ML7421A1032-E Close Off Pres. 1600 kPa	V5328A2011	AUS
80	100.0	ML6420A3007-E ML6425A, B Close Off Pres. 1000 kPa ML6421A3005 Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000 kPa ML7421A1032-E Close Off Pres. 1600 kPa	V5328A2029	AUS

V5088A 2-Way Flanged Valve Pressure Balanced (Steam)

2-way flanged valve for heating & air conditioning. Stainless steel trim with cast iron body.

Pressure balanced. Stroke: 38mm

Flow: Equal % Pressure: PN16

Temp: 2-120°C @ 1600kPa; 120-150°C @ 1440kPa; 150-200°C @ 1280kPa; 200-220°C @ 1200kPa;



DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/Indent
100	160.0	ML6421B3004 Close Off Pres. 1000 kPa	ML7421B1023-E Close Off Pres. 1000 kPa	V5088A2003	AUS
125	250.0	ML6421B3004 Close Off Pres. 1000 kPa	ML7421B1023-E Close Off Pres. 1000 kPa	V5088A2011	AUS
150	360.0	ML6421B3004 Close Off Pres. 1000 kPa	ML7421B1023-E Close Off Pres. 1000 kPa	V5088A2029	AUS

2-Way Flanged Valves

V5025A 2-Way Flanged Valve Pressure Balanced



Single seated 2-way flanged valve used for modulating control of chilled/hot water & steam. Nodular iron (GGG40) body, stainless steel plug, stem and seat. Noise optimised and balanced, these valves are specifically designed for high differential pressure applications. Replaces V5025BA valves.

Stroke: 20mm (up to DN80); 38mm (DN100-DN150)

Flow: Equal % Pressure: PN25

Temp: 2-120°C @ 2500kPa; 120-160°C @ 2250kPa; 60-200°C @ 2000kPa

DN	Kvs	Actuator: On/Off - Floating	Actuator: Modulating	Part Number	Stock/ Indent
15	4.0	ML6420A3007-E ML6425A, B Close Off Pres. 2500 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 2500 kPa	V5025A1068	I
20	6.3	ML6420A3007-E ML6425A, B Close Off Pres. 2500 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 2500 kPa	V5025A1076	I
25	10.0	ML6420A3007-E ML6425A, B Close Off Pres. 2500 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 2500 kPa	V5025A1084	I
32	16.0	ML6420A3007-E ML6425A, B Close Off Pres. 2500 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 2500 kPa	V5025A1092	I
40	25.0	ML6420A3007-E ML6425A, B Close Off Pres. 2500 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 2500 kPa	V5025A1100	I
50	40.0	ML6420A3007-E ML6425A, B Close Off Pres. 2500 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 2500 kPa	V5025A1118	NZ
65	63.0	ML6420A3007-E ML6425A, B Close Off Pres. 2500 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 2500 kPa	V5025A1126	NZ
80	100.0	ML6420A3007-E ML6425A, B Close Off Pres. 2500 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 2500 kPa	V5025A1134	NZ
100	160.0	ML6421B3004 Close Off Pres. 2500 kPa	ML7421B1023-E Close Off Pres. 2500 kPa	V5025A1142	I
125	250.0	ML6421B3004 Close Off Pres. 2500 kPa	ML7421B1023-E Close Off Pres. 2500 kPa	V5025A1159	I
150	360.0	ML6421B3004 Close Off Pres. 2500 kPa	ML7421B1023-E Close Off Pres. 2500 kPa	V5025A1167	I

3-Way Threaded Valves

V5823A 3-Way Small Linear Valve



3-way small linear valve for individual room control, small reheaters, coolers and fan coil units. Normally closed. Conical sealing end connections. External threaded BSPP connections.

Stroke: 6.5mm Flow: Equal % A-AB, Linear B-AB Pressure: PN16 Temp: 2-120°C
Refer to Fittings for Valves (Part No's, ACN-15S, ACN-15T, ACN-20S, ACN-20T)
Plug available to convert to 2 way NC valve (ACN-15P, ACN-20P)

DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/ Indent
15	0.25	M7410C1007 Close Off Pres. 800 kPa	M7410E1002 Close Off Pres 800 kPa	V5823A2003	AUS
15	0.40	M7410C1007 Close Off Pres. 800 kPa	M7410E1002 Close Off Pres. 800 kPa	V5823A2011	AUS
15	0.63	M7410C1007 Close Off Pres. 800 kPa	M7410E1002 Close Off Pres. 800 kPa	V5823A2029	AUS
15	1.00	M7410C1007 Close Off Pres. 250 kPa	M7410E1002 Close Off Pres. 250 kPa	V5823A2037	AUS
15	1.60	M7410C1007 Close Off Pres. 250 kPa	M7410E1002 Close Off Pres. 250 kPa	V5823A2045	S
20	2.50	M7410C1007 Close Off Pres. 240 kPa	M7410E1002 Close Off Pres. 240 kPa	V5823A2151	S
20	4.00	M7410C1007 Close Off Pres. 240 kPa	M7410E1002 Close Off Pres. 240 kPa	V5823A2169	AUS
15	1.60	M7410A1001 Close Off Pres. 150 kPa Stoke 2.5mm		V5823A4009	I
20	2.50	M7410A1001 Close Off Pres. 50 kPa Stoke 2.5mm		V5823A4017	I

3-Way Threaded Valves

V5833A 3-Way Small Valve



3-Way small valves for domestic hot water, small reheaters, Coolers, and fan coil units. Flat sealing end connections. External threaded BSPP connections.

Stroke: 6.5mm Flow: Equal % A-AB, Linear B-AB Pressure: PN16 Temp: 2-120°C
Refer to Fittings for Valves (Part No's, AC-25S, AC-25T, AC-25TF, AC-32S, AC-32T, AC-32TF, AC-40S, AC-40T, AC-40TF)

DN, Kvs	Kvs	Actuator: On/Off - Floating	Actuator: Modulating	Part Number	Stock/Indent
25	4.0	M7410C1015 Close Off Pres. 600 kPa ML6435B1008 Close Off Pres. 1600 kPa	M7410E1028 Close Off Pres. 600 kPa ML7435E1004 Close Off Pres. 1600 kPa	V5833A2076	AUS
25	6.3	M7410C1015 Close Off Pres. 600 kPa ML6435B1008 Close Off Pres. 1600 kPa	M7410E1028 Close Off Pres. 600 kPa ML7435E1004 Close Off Pres. 1600 kPa	V5833A2084	AUS
25	10.0	M7410C1015 Close Off Pres. 600 kPa ML6435B1008 Close Off Pres. 1600 kPa	M7410E1028 Close Off Pres. 600 kPa ML7435E1004 Close Off Pres. 1600 kPa	V5833A2092	AUS
32	16.0	M7410C1015 Close Off Pres. 500 kPa ML6435B1008 Close Off Pres. 1200 kPa	M7410E1028 Close Off Pres. 500 kPa ML7435E1004 Close Off Pres. 1200 kPa	V5833A2100	AUS
40	25.0	M7410C1015 Close Off Pres. 400 kPa ML6435B1008 Close Off Pres. 1000 kPa	M7410E1028 Close Off Pres. 400 kPa ML7435E1004 Close Off Pres. 1000 kPa	V5833A2118	AUS

3-Way Threaded Valves

V5013R 3-Way Threaded Valve



3-way threaded valves. Applications for HVAC; constant volume circuits; Domestic hot water applications; hot and chilled water.
Internal threaded BSPP connections.

Stroke: 20mm Flow: Equal % A-AB, Linear B-AB Pressure: PN16
Temp: 2-120°C @ 1600kPa; 120-170°C @ 1490kPa

DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/ Indent
15	2.5	ML6420A3007-E ML6425A,B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A,B Close Off Pres. 1600 kPa	V5013R1032	NZ
15	4.0	ML6420A3007-E ML6425A,B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A,B Close Off Pres. 1600 kPa	V5013R1040	NZ
20	6.3	ML6420A3007-E ML6425A,B Close Off Pres. 1600 kPa	ML7420A6033-E ML7425A,B Close Off Pres. 1600 kPa	V5013R1057	NZ
25	10.0	ML6420A3007-E ML6425A,B Close Off Pres. 1000 kPa ML6421A3005 Close Off Pres. 1600kPa	ML7420A6033-E ML7425A,B Close Off Pres. 1000 kPa ML7421A1032-E Close Off Pres. 1600kPa	V5013R1065	NZ
32	16.0	ML6420A3007-E ML6425A,B Close Off Pres. 700 kPa ML6421A3005 Close Off Pres. 1600kPa	ML7420A6033-E ML7425A,B Close Off Pres. 700 kPa ML7421A1032-E Close Off Pres. 1600kPa	V5013R1073	NZ
40	25.0	ML6420A3007-E ML6425A,B Close Off Pres. 460 kPa ML6421A3005 Close Off Pres. 1500kPa	ML7420A6033-E ML7425A,B Close Off Pres. 460 kPa ML7421A1032-E Close Off Pres. 1500kPa	V5013R1081	NZ
50	40.0	ML6420A3007-E ML6425A,B Close Off Pres. 460 kPa ML6421A3005 Close Off Pres. 1500kPa	ML7420A6033-E ML7425A,B Close Off Pres. 460 kPa ML7421A1032-E Close Off Pres. 1500kPa	V5013R1099	NZ

3-Way Threaded Valves

V5013P 3-Way Threaded Valve



3-way threaded valves. Applications for HVAC; constant volume circuits; domestic hot water applications; hot and chilled water.

Internal threaded BSPT connections.

Stroke: 20mm Flow: Equal % A-AB, Linear B-AB Pressure: PN20

Temp: 2-120°C @ 2000kPa; 120-170°C @ 1280kPa

DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/Indent
32	16.0	ML6420A3007-E ML6425A,B Close Off Pres. 700 kPa	ML7420A6033-E ML7425A,B Close Off Pres. 700 kPa	V5013P1002	AUS
40	25.0	ML6420A3007-E ML6425A,B Close Off Pres. 460 kPa	ML7420A6033-E ML7425A,B Close Off Pres. 460 kPa	V5013P1010	AUS
50	40.0	ML6420A3007-E ML6425A,B Close Off Pres. 260 kPa	ML7420A6033-E ML7425A,B Close Off Pres. 260 kPa	V5013P1028	AUS

3-Way Flanged Valves

V5329A 3-Way Flanged Valve



3-way flanged valves for heating & air conditioning and steam applications.

Stroke: 20mm Flow: Equal % A-AB, Linear B-AB Pressure: PN16
Temp: 2-120°C @ 1600kPa; 120-150°C @ 1440kPa; 150-170°C @ 1370kPa

DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/Indent
15	4.0	ML6420A3007-E ML6425A, B Close Off Pres. 1000 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000 kPa	V5329A1012	I
20	6.3	ML6420A3007-E ML6425A, B Close Off Pres. 1000 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000 kPa	V5329A1020	I
25	10.0	ML6420A3007-E ML6425A, B Close Off Pres. 1000 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000 kPa	V5329A1038	I
32	16.0	ML6420A3007-E ML6425A, B Close Off Pres. 790 kPa ML6421A3005 Close Off Pres. 1000 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 790 kPa ML7421A1032-E Close Off Pres. 1000 kPa	V5329A1046	I
40	25.0	ML6420A3007-E ML6425A, B Close Off Pres. 480 kPa ML6421A3005 Close Off Pres. 1000 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 480 kPa ML7421A1032-E Close Off Pres. 1000 kPa	V5329A1053	I
50	40.0	ML6420A3007-E ML6425A, B Close Off Pres. 260 kPa ML6421A3005 Close Off Pres. 1000 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 260 kPa ML7421A1032-E Close Off Pres. 1000 kPa	V5329A1061	I
65	63.0	ML6420A3007-E ML6425A, B Close Off Pres. 160 kPa ML6421A3005 Close Off Pres. 650 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 160 kPa ML7421A1032-E Close Off Pres. 650 kPa	V5329A2077	AUS
80	100.0	ML6420A3007-E ML6425A, B Close Off Pres. 100 kPa ML6421A3005 Close Off Pres. 400 kPa	ML7420A6033-E ML7425A, B Close Off Pres. 100 kPa ML7421A1032-E Close Off Pres. 400 kPa	V5329A2085	AUS

3-Way Flanged Valves

V5050A 3-Way Flanged Valve (15-80mm)



3-way flanged valves to be used in hot water and steam.

Stroke: 20mm Flow: Equal % A-AB, Linear B-AB Pressure: PN25/40

Temp: 2-120°C @ 4000kPa; 120-150°C @ 3920kPa; 150-200°C @ 3800kPa; 200-220°C @ 3720kPa

DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/ Indent
15	2.5	ML6420A3007-E ML6425A, B Close Off Pres. 1000kPa ML6421A3005 Close Off Pres. 2500kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000kPa ML7421A1032-E Close Off Pres. 2500kPa	V5050A1124	I
15	4	ML6420A3007-E ML6425A, B Close Off Pres. 1000kPa ML6421A3005 Close Off Pres. 2500kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000kPa ML7421A1032-E Close Off Pres. 2500kPa	V5050A1132	I
25	10	ML6420A3007-E ML6425A, B Close Off Pres. 1000kPa ML6421A3005 Close Off Pres. 2500kPa	ML7420A6033-E ML7425A, B Close Off Pres. 1000kPa ML7421A1032-E Close Off Pres. 2500kPa	V5050A1157	I
32	16	ML6420A3007-E ML6425A, B Close Off Pres. 600kPa ML6421A3005 Close Off Pres. 2000kPa	ML7420A6033-E ML7425A, B Close Off Pres. 600kPa ML7421A1032-E Close Off Pres. 2000kPa	V5050A1165	I
40	25	ML6420A3007-E ML6425A, B Close Off Pres. 350kPa ML6421A3005 Close Off Pres. 1300kPa	ML7420A6033-E ML7425A, B Close Off Pres. 350kPa ML7421A1032-E Close Off Pres. 1300kPa	V5050A1173	I
50	40	ML6420A3007-E ML6425A, B Close Off Pres. 200kPa ML6421A3005 Close Off Pres. 750kPa	ML7420A6033-E ML7425A, B Close Off Pres. 200kPa ML7421A1032-E Close Off Pres. 750kPa	V5050A1181	I
65	63	ML6420A3007-E ML6425A, B Close Off Pres. 120kPa ML6421A3005 Close Off Pres. 500kPa	ML7420A6033-E ML7425A, B Close Off Pres. 120kPa ML7421A1032-E Close Off Pres. 500kPa	V5050A1199	I
80	100	ML6420A3007-E ML6425A, B Close Off Pres. 50kPa ML6421A3005 Close Off Pres. 230kPa	ML7420A6033-E ML7425A, B Close Off Pres. 50kPa ML7421A1032-E Close Off Pres. 230kPa	V5050A1207	I

3-Way Flanged Valves

V5050A 3-Way Flanged Valve (100-150mm)



3-way flanged valves to be used in hot water and steam.

Stroke: 38mm Flow: Equal % A-AB, Linear B-AB Pressure: PN16
Temp: 2-120°C @ 1600kPa; 120-150°C @ 1440kPa

DN	Kvs	Actuator: On/Off Floating	Actuator: Modulating	Part Number	Stock/Indent
100	140	ML6421B3004 Close Off Pres. 150kPa	ML7421B1023-E Close Off Pres. 150kPa	V5050A2088	AUS
125	220	ML6421B3004 Close Off Pres. 120kPa	ML7421B1023-E Close Off Pres. 120kPa	V5050A2106	AUS
150	310	ML6421B3004 Close Off Pres. 80kPa	ML7421B1023-E Close Off Pres. 80kPa	V5050A2114	AUS

Valve Accessories

Fittings for Valves

Fitting (one) for V5822A, V5823A valves.



Fit Valve Size DN	Connection Type	Thread	Feature	Part Number	Stock/Indent
15	Solder	n/a	12mm inner	ACN-15S	AUS
15	Thread	Male	3/8" BSPT	ACN-15T	S
20	Solder	n/a	15mm inner	ACN-20S	AUS
20	Thread	Male	1/2" BSPT	ACN-20T	S

Fittings for Valves

Fitting (one) for V5832B, V5833A valves.



Fit Valve Size DN	Connection Type	Thread	Feature	Part Number	Stock/Indent
25	Solder			AC-25S	I
25	Thread	Male	1" BSPT	AC-25T	I
25	Thread	Female	1" BSPT	AC-25TF	AUS
32	Solder			AC-32S	I
32	Thread	Male	1 1/4" BSPT	AC-32T	I
32	Thread	Female	1 1/4" BSPT	AC-32TF	AUS
40	Thread	Male	1 1/2" BSPT	AC-40T	I
40	Thread	Female	1 1/2" BSPT	AC-40TF	AUS

Valve Accessories

Fittings for Valves

Fitting (one) for V5832A valves



Fit Valve size DN	Connection Type	Thread	Feature	Part Number	Stock/ Indent
15	Solder			AC-15FS	I
15	Thread	Male	3/8"	AC-15FT	I
20	Solder			AC-20FS	I
20	Thread	Male	1/2"	AC-20FT	I

Fittings for Valves

Fitting (one) for V5825B valves.



Fit Valve Size DN	Connection Type	Thread	Feature	Part Number	Stock/ Indent
15	Thread	Male	1/2" BSPT	ACS-15T	I
20	Thread	Male	3/4" BSPT	ACS-20T	AUS
25	Thread	Male	1" BSPT	ACS-25T	I
32	Thread	Male	1 1/4" BSPT	ACS-32T	I

Valve Accessories

Valve Packing Kit - Selection Guide for 2-Way Valves



Packing kits are available for most Honeywell 2-way valves. Valve model and size are required to select correct kit.

Date	Suit Valves	Stem Diameter (mm)	Valve Size	Part Number	Stock/Indent
	V5011A, V5011K	6.35	15-40	R43176754-001	S
	V5011A	10	50-80	R43176754-002	S
	V5011P/V5013P	6.35	25-32	88609014-1	I
	V5011P/V5013P	10	40-50	88609014-2	I
Pre-Jan 2003	V5011R/S	6.35	15-32	R43176754-001	S
Pre-Jan 2003	V5011R/S	10	40-50	R43176754-002	S
From Jan 2003	V5011R/S	10	15-50	R43176754-002	S
	V5016A	10	15-80	R43176755-004	AUS
	V5016A	16	100-150	R43176755-005	AUS
	V5025A	10	15-80	R43176755-004	AUS
	V5025A	16	100-150	R43176755-005	AUS
	V5025B		15-65	903738	I
	V5025B		80-150	903739	I
	V5049A/B	10	15-80	R43176755-004	AUS
	V5049A/B	16	100-150	R43176755-005	AUS
	V5088A (Water)		100-150	88609023	I
	V5088A (Steam)		100-150	88609024	I
	V5095A	12	100-150	R43176754-005	NZ
	V5328A	6.35	15-32	R43176754-001	S
	V5328A	10	40-80	R43176754-002	S
	V5328A 2000 Series		50-80	88609026	I
	V176A/B		15-100	903737	I

Valve Accessories

Valve Packing Kit - Selection Guide for 3-Way Valves



Packing kits are available for most Honeywell 3-way valves. Valve model and size are required to select correct kit.

Date	Suit Valves	Stem Diameter (mm)	Valve Size	Part Number	Stock/ Indent
	V5013A	6.35	15-40	R43176754-001	S
	V5013A	10	50-80	R43176754-002	S
	V5013G	6.35	15-32	R43176754-001	S
Pre-Jan 2003	V5013R	6.35	15-32	R43176754-001	S
Pre-Jan 2003	V5013R	10	40-50	R43176754-002	S
From Jan 2003	V5013R	10	15-50	R43176754-002	S
	V5015A	12	100-150	R43176754-005	NZ
	V5050A/B	10	15-80	R43176755-004	AUS
	V5050A/B	16	100-150	R43176755-004	AUS
	V5050A 2000 Series		100-150	88609020	I
	V5329A/C	6.35	15-32	R43176754-001	S
	V5329A/C	10	40-80	R43176754-002	S
	V5329A 2000 Series		65-80	88609019	I

Motorised Hydronic Valve Packs

V4043/V4044 and V8043/V8044 Valves

Two position valve and actuator motors for controlling the flow of hot or cold water, 24 Vac or 240 Vac.

SPST control. Drive Open/ Spring Return for NC type, drive close/spring return for NO type.
Temp: 5-88/93/116°C



Valve size __ Pipe Connection	Kvs	Type	Electrical Connections	Part Number	Stock/ Indent
3/8" Flare	3.4	2-Way NC	240V 2 Wire	V4043C1248B	I
1/2" Flare	3.4	2-Way NC	24V 2 Wire	V8043C1116	I
1" BSP	8.6	2-Way NO	24V 2 Wire	V8043B1068B	I
1/2" Flare	3.4	3-Way NC	240V 2 Wire	V4044A1100	I
1/2" Flare	3.4	3-Way NO	24V 2 Wire	V8044E1003	I

Motorised Hydronic Valve Packs

VC Motorised 2-Way Valve Pack



2-way balanced hydronic valves offers On/Off control of hot and/or cold water flow in both domestic boiler heating and in small commercial heating and cooling applications. Actuator is drive open/drive closed, and includes 1m cable.

Timing: 7s Flow: On/Off Temp: 1-95°C
Pressure Rating: Static: 2,000kPa Burst: 10,000kPa Close off: 400 kPa Differential

Valve size	Pipe Connection	Kvs	Electrical Connections	Part Number	Stock/ Indent
1/2"	BSPP Internal Thread	3.0	240V 2 Wire + Common SPST Switch	VC4013AF1000T	I
1/2"	BSPT Internal Thread	3.0	240V 2 Wire + Common SPST Switch	VC4013AB1000T	AUS
1/2"	Sweat	3.0	240V 2 Wire + Common SPST Switch	VC4013AA1000T	I
3/4"	22mm Compression	5.3	240V 2 Wire + Common SPST Switch	VC4013AG1000T	I
3/4"	BSPP Internal Thread	5.3	240V 2 Wire + Common SPST Switch	VC4013AJ1000T	I
3/4"	NPT Internal Thread	5.4	240V 2 Wire + Common SPST Switch	VC4013AL1000T	I
3/4"	Sweat	5.0	240V 2 Wire + Common SPST Switch	VC4013AM1000T	I
1"	BSPP Internal Thread	6.0	240V 2 Wire + Common SPST Switch	VC4013AP1000T	I
1/2"	BSPP Internal Thread	3.0	240V 3 Wire SPDT Switch	VC6013AF1000T	I
3/4"	BSPP Internal Thread	5.3	240V 3 Wire SPDT Switch	VC6013AJ1000T	I
3/4"	NPT Internal Thread	5.4	240V 3 Wire SPDT Switch	VC6013AL1000T	I
1"	BSPP Internal Thread	6.0	240V 3 Wire SPDT Switch	VC6013AP1000T	I

VC Motorised 3-Way Valve Pack



3-way balanced hydronic valves offers On/Off control of hot and/or cold water flow in both domestic boiler heating and in small commercial heating and cooling applications. Actuator is drive open/drive closed, and includes 1m cable.

Timing: 7s Flow: On/Off Temp: 1-95°C
Pressure Rating: Static: 2,000kPa Burst: 10,000kPa Close off: 400 kPa Differential

Valve Size	Pipe Connection	Kvs	Electrical Connections	Part Number	Stock/ Indent
1/2"	BSPP Internal Thread	3.4	240V 2 Wire + Common SPST Switch	VC4013ME6000T	AUS
3/4"	BSPP Internal Thread	7.0	240V 2 Wire + Common SPST Switch	VC4013MH6000T	I
1"	BSPP Internal Thread	7.7	240V 2 Wire + Common SPST Switch	VC4013MP6000T	I
1/2"	BSPP Internal Thread	3.4	240V 3 Wire SPDT Switch	VC6013ME6000T	I
3/4"	BSPP Internal Thread	7.0	240V 3 Wire SPDT Switch	VC6013MH6000T	I
1"	BSPP Internal Thread	7.7	240V 3 Wire SPDT Switch	VC6013MP6000T	I

Hydronic Valve Components

VC Actuators



The VC series valves are also available in component form due to modular construction. The actuators will fit on all VC valve bodies and are drive open/drive closed.

Actuator Ratings: 24Vac 50Hz (Blue Label); 200-240Vac 50Hz (Red Label)
2 Position - 6W 7sec Floating/Modulating - 4W 140sec Includes 1m cable.

Type	Voltage	Connections	Switch	Part Number	Stock/ Indent
2 Position	24Vac	2 wire + common	SPST	VC8011ZZ00	I
2 Position	24Vac	3 wire	SPDT	VC2011ZZ00	I
2 Position	240Vac	2 wire + common	SPST	VC4013ZZ00E	S
2 Position	240Vac	3 wire	SPDT	VC6013ZZ00	I
Floating	24Vac	3 wire	3 Position	VC6931ZZ11	I
Modulating	24Vac	3 wire	0/2-10Vdc	VC7931ZZ11	I

VC Valve Bodies



The balanced 2- and 3-way hydronic valves are available in a range of sizes, flow rates and thread configurations.

Type	Size	End Connections	Kvs	Part Number	Stock/ Indent
2-way	1/2"	BSPP Internal Thread	3.0	VCZAF1000	I
2-way	3/4"	BSPP Internal Thread	5.3	VCZAJ1000	I
2-way	1"	BSPP Internal Thread	6.0	VCZAP1000	I
3-way	1/2"	BSPP Internal Thread	3.4	VCZME6000	I
3-way	3/4"	BSPP Internal Thread	7.0	VCZMH6000	I
3-way	1"	BSPP Internal Thread	7.7	VCZMP6000	NZ

VC Valve Cartridges



To rebuild the valve, cartridges are available in On-Off, linear and equal percentage flow characteristics.

Temperature: 1-95°C

Pressure Rating: Static: 2000kPa Burst: 10000kPa Close Off: 400kPa differential

Type	Flow Characteristic	Part Number	Stock/ Indent
2-way	On-Off	VCZZ1000	I
3-way	On-Off	VCZZ6000	I
2-way	Linear	VCZZ1100	I
3-way	Linear	VCZZ6100	I
2-way	Equal Percentage	VCZZ1400	I
2-way	Equal Percentage	VCZZ1600	I

Butterfly Valves

V4ABFW16 Motorised Butterfly Valve 240Vac Floating



The V4BFW actuated wafer type butterfly valves are suitable for heating and cooling applications. They can also be employed for industrial applications, general services and water treatment. Cast iron (DN50-150) or ductile iron (DN200-600) wafer body, stainless steel shaft and epoxy coated ductile iron disc. Continuous position indicator.

Pressure: PN16 Temp: -10°C to 90°C Actuator: On/Off Floating Body: Wafer
230Vac 50/60Hz IP67 Enclosure

DN	Kvs	Torque (Nm)	Manual Override	Part Number	Stock/ Indent
50	109	35		V4ABFW16-050-012	I
65	177	35		V4ABFW16-065-012	I
80	243	35		V4ABFW16-080-012	I
100	483	35		V4ABFW16-100-012	I
125	822	90	Hand wheel	V4ABFW16-125-012	I
150	1270	90	Hand wheel	V4ABFW16-150-012	I
200	2550	150	Hand wheel	V4ABFW16-200-012	I
250	4342	400	Hand wheel	V4ABFW16-250-012	I
300	6708	400	Hand wheel	V4ABFW16-300-012	I
350	9793	1000	Hand wheel	V4ABFW16-350-012	I
400	13467	1500	Hand wheel	V4ABFW16-400-012	I
450	17836	2000	Hand wheel	V4ABFW16-450-012	I
500	22933	2500	Hand wheel	V4ABFW16-500-012	I
600	35431	3500	Hand wheel	V4ABFW16-600-012	I

Butterfly Valves

V4ABFW16 Motorised Butterfly Valve 240Vac Modulating



The V4ABFW actuated wafer type butterfly valves are suitable for heating and cooling applications. They can also be employed for industrial applications, general services and water treatment. Cast iron (DN50-150) or ductile iron (DN200-600) wafer body, stainless steel shaft and epoxy coated ductile iron disc. Continuous position indicator.

Pressure: PN16 Temp: -10°C to 90°C Actuator: Modulating 4-20mA or 0/2-10Vdc Body: Wafer
230Vac 50/60Hz IP67 Enclosure

DN	Kvs	Torque (Nm)	Manual Override	Part Number	Stock/ Indent
50	109	35		V4ABFW16-050-112	I
65	177	35		V4ABFW16-065-112	I
80	243	35		V4ABFW16-080-112	I
100	483	35		V4ABFW16-100-112	I
125	822	90	Hand wheel	V4ABFW16-125-112	I
150	1270	90	Hand wheel	V4ABFW16-150-112	I
200	2550	150	Hand wheel	V4ABFW16-200-112	I
250	4342	400	Hand wheel	V4ABFW16-250-112	I
300	6708	400	Hand wheel	V4ABFW16-300-112	I
350	9793	1000	Hand wheel	V4ABFW16-350-112	I
400	13467	1500	Hand wheel	V4ABFW16-400-112	I
450	17836	2000	Hand wheel	V4ABFW16-450-112	I
500	22933	2500	Hand wheel	V4ABFW16-500-112	I
600	35431	3500	Hand wheel	V4ABFW16-600-112	I

Butterfly Valves

V4ABFW Motorised Butterfly Valve 24Vac Floating



The V4BFW actuated wafer type butterfly valves are suitable for heating and cooling applications. They can also be employed for industrial applications, general services and water treatment. Cast iron (DN50-150) or ductile iron (DN200-600) wafer body, stainless steel shaft and epoxy coated ductile iron disc. Continuous position indicator.

Pressure: PN16 Temp: -10°C to 90°C Actuator: On/Off Floating Body: Wafer
24Vac 50/60Hz IP67 Enclosure

DN	Kvs	Torque (Nm)	Manual Override	Part Number	Stock/ Indent
50	109	35		V4ABFW16-050-016	I
65	177	35		V4ABFW16-065-016	I
80	243	35		V4ABFW16-080-016	I
100	483	35		V4ABFW16-100-016	I
125	822	90	Hand wheel	V4ABFW16-125-016	I
150	1270	90	Hand wheel	V4ABFW16-150-016	I
200	2550	150	Hand wheel	V4ABFW16-200-016	I
250	4342	400	Hand wheel	V4ABFW16-250-016	I
300	6708	400	Hand wheel	V4ABFW16-300-016	I
350	9793	1000	Hand wheel	V4ABFW16-350-016	I
400	13467	1500	Hand wheel	V4ABFW16-400-016	I
450	17836	2000	Hand wheel	V4ABFW16-450-016	I
500	22933	2500	Hand wheel	V4ABFW16-500-016	I
600	35431	3500	Hand wheel	V4ABFW16-600-016	I

Butterfly Valves

V4ABFW Motorised Butterfly Valve 24Vac Modulating



The V4BFW actuated wafer type butterfly valves are suitable for heating and cooling applications. They can also be employed for industrial applications, general services and water treatment. Cast iron (DN50-150) or ductile iron (DN200-600) wafer body, stainless steel shaft and epoxy coated ductile iron disc. Continuous position indicator.

Pressure: PN16 Temp: -10°C to 90°C Actuator: Modulating 4-20mA or 0/2-10Vdc Body: Wafer
24Vac 50/60Hz IP67 Enclosure

DN	Kvs	Torque (Nm)	Manual Override	Part Number	Stock/ Indent
50	109	35		V4ABFW16-050-116	I
65	177	35		V4ABFW16-065-116	I
80	243	35		V4ABFW16-080-116	I
100	483	35		V4ABFW16-100-116	I
125	822	90	Hand wheel	V4ABFW16-125-116	I
150	1270	90	Hand wheel	V4ABFW16-150-116	I
200	2550	150	Hand wheel	V4ABFW16-200-116	I
250	4342	400	Hand wheel	V4ABFW16-250-116	I
300	6708	400	Hand wheel	V4ABFW16-300-116	I
350	9793	1000	Hand wheel	V4ABFW16-350-116	I
400	13467	1500	Hand wheel	V4ABFW16-400-116	I
450	17836	2000	Hand wheel	V4ABFW16-450-116	I
500	22933	2500	Hand wheel	V4ABFW16-500-116	I
600	35431	3500	Hand wheel	V4ABFW16-600-116	I

Rotary Valves

DR Rotary Valves



3-way rotary mixing valves for supply water, heating and air conditioning.
Flanges DIN2531 end connections.

Rotation: 90° Flow: Equal % Pressure: PN6 Temp: 2-130°C
Reduced differential pressure 40kPa

DN	Kvs	Torque (Nm)	Actuator	Part Number	Stock/ Indent
20	6.3	10	M6061A1013 - 24Vac Floating M6061L1019 - 230Vac Floating M7061E1012 - Modulating	DR20GFLA	I
25	10.0	10	M6061A1013 - 24Vac Floating M6061L1019 - 230Vac Floating M7061E1012 - Modulating	DR25GFLA	I
32	16.0	10	M6061A1013 - 24Vac Floating M6061L1019 - 230Vac Floating M7061E1012 - Modulating	DR32GFLA	I
40	25.0	10	M6061A1013 - 24Vac Floating M6061L1019 - 230Vac Floating M7061E1012 - Modulating	DR40GFLA	I
50	40.0	20	M6061A1021 - 24Vac Floating M6061L1027 - 230Vac Floating M7061E1020 - Modulating	DR50GFLA	I
65	63.0	20	M6061A1021 - 24Vac Floating M6061L1027 - 230Vac Floating M7061E1020 - Modulating	DR65GFLA	I
80	100.0	20	M6061A1021 - 24Vac Floating M6061L1027 - 230Vac Floating M7061E1020 - Modulating	DR80GFLA	I
100	160.0	30	M6061A1039 - 24Vac Floating M6061L1035 - 230Vac Floating	DR100GFLA	I
125	250.0	30	M6061A1039 - 24Vac Floating M6061L1035 - 230Vac Floating	DR125GFLA	I
150	630.0	40	M6061A1047 - 24Vac Floating M6061L1043 - 230Vac Floating	DR150GFLA	I
200	1600.0	40	M6061A1047 - 24Vac Floating M6061L1043 - 230Vac Floating	DR200GFLA	I

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Actuators

Linear Actuators

M7410C/E Small Linear Actuators



Small electric linear actuators for floating or modulating control. Applications are heating & air conditioning, zone control, fan coil units. Compatible valves include; V5822, V5823, V5825, V5832 and V5833. Motor includes 1.5m cable.

Voltage and Power	Control	Stem Force (N)	Features	Part Number	Stock/ Indent
24Vac 0.7 VA	Floating	90	Stroke 2.5mm	M7410A1001	I
24Vac 0.7 VA	Floating	180	Stroke 6.5mm	M7410C1007	S
24Vac 0.7 VA	Floating	300	Stroke 6.5mm	M7410C1015	AUS
230Vac 7 VA	Floating	180	Stroke 6.5mm Manual Operation 2 Auxiliary Switches	M6410L4029	I
230Vac 7 VA	Floating	300	Stroke 6.5mm Manual Operation 2 Auxiliary Switches	M6410L4037	I
24Vac 1.4 VA	Modulating 0/2-10V	180	Stroke 6.5mm	M7410E1002	NZ
24Vac 1.4 VA	Modulating 0/2-10V	300	Stroke 6.5mm	M7410E1028	AUS
24Vac 1.4 VA	Modulating 0/2-10V	180	Stroke 6.5mm Manual Operation	M7410E2026	I
24Vac 1.4 VA	Modulating 0/2-10V	300	Stroke 6.5mm Manual Operation	M7410E2034	I

ML6435/ML7435 Linear Actuators



Electric linear actuators for floating or modulating control. Applications are heating & air conditioning with high differential pressure. Compatible valves include; V5825, V5832 and V5833. Motor is spring return (retracts) on power failure, has 6.5mm stroke and includes 1.5m cable.

Voltage and Power	Control	Stem Force (N)	Features	Part Number	Stock/ Indent
24Vac 5VA	Floating	400	Stroke 6.5mm	ML6435B1008	AUS
230Vac 5VA	Floating	400	Stroke 6.5mm	ML6435B1016	I
24Vac 5VA	Modulating 0/2-10V	400	Stroke 6.5mm	ML7435E1004	I

ML6984/ML7984 Valve Actuators



Self-adjusting linear valve actuators. Mount directly onto valves; V5011A, C, F, G; V5013F and V5045. 1/2 to 3" water and steam threaded valves. Non-spring return. Compact size is ideal for unit heaters, FCUs, narrow ceiling plenums and computer room motorised valve applications.

Voltage and Power	Control	Stem Force	Features	Part Number	Stock/ Indent
24Vac/dc 6VA run 12VA seat	Floating Non-Spring Return	710	13 - 25mm Adjustable stroke	ML6984A4000	I
24Vac or 28Vdc 6VA run 12VA seat	Modulating 0/2 - 10Vdc 4 - 20mA 0 - 135 ohms	710	13 - 25mm Adjustable stroke	ML7984A4009	I
			Auxiliary Switch 1 SPDT & 2-10Vdc feedback	272630D	I
			Replacement motor brush kit	272775	I

Linear Actuators

ML642x/ML742x Actuators



Electric Actuators for floating or modulating control of valves in heating and air conditioning systems. 24Vac 50/60 Hz. Compatible valves; V5011; V5013; V5049; V5050; V5328; V5329; V5088.

NOTE: B model Spring Return Actuator Stem retracts on power failure; A model extends.

Voltage and Power	Control	Stem Force	Features	Part Number	Stock/ Indent
24Vac 4VA	Floating Non-Spring Return	600	20mm Stroke	ML6420A3007-E	I
24Vac 11VA	Floating Spring Extend	600	20mm Stroke	ML6425A3006	I
24Vac 11VA	Floating Spring Retract	600	20mm Stroke	ML6425B3005	I
24Vac 12VA	Modulating 0/2 -10Vdc Spring Extend	600	20mm Stroke	ML7425A3013-E	S
24Vac 5VA	Modulating 0/2-10Vdc Non Spring Return	600	20mm Stroke	ML7420A6033-E	S
			High Temperature Kit for V5011P/R/S, (15-50mm) V5013P/R (15-50mm) and V5328A/V5329A (15-32mm)	43196000-001	I

ML6421/ ML7421 Electric Actuators



Electric Actuators for floating or modulating control of valves in heating and air conditioning systems. Manual adjustment. Compatible valves include V5011; V5013; V5049; V5050; V5328; V5329; V5088.

Voltage and Power	Control	Stem Force (N)	Features	Part Number	Stock/ Indent
24Vac 13VA	Floating Non-Spring Return	1800	20mm Stroke	ML6421A3005	NZ
24Vac 13VA	Floating Non-Spring Return	1800	38mm Stroke	ML6421B3004	I
24Vac 15VA	Modulating 0/2-10Vdc Non-Spring Return	1800	20mm Stroke	ML7421A1032-E	S
24Vac 15VA	Modulating 0/2-10Vdc Non-Spring Return	1800	38mm Stroke	ML7421B1023-E	S
			High Temperature Kit for V5328A/V5329A (40-80mm), V5049A (15-65mm), V5016A/V5025A/V5050A (15- 80mm)	43196000-002	I
			High Temperature Kit for flanged valves with 38mm stroke and ML6421B/ML7421B.	43196000-038	I

Actuators

Direct-Coupled Actuators

M447/M847 Zone Damper Actuators

Zone damper actuators for direct mount to domestic butterfly/barrel or splitter box dampers. Drive open, spring return. Electrical Connection: 1 Metre Cable attached. M447C- gold coloured casing, M847 - silver coloured casing.



Voltage and Power	Timing (s)	Control Mode	Torque (Nm)	Part Number	Stock/ Indent
240Vac 9.2VA	27 drive 25 return	2 Position Spring Return	0.34	M447B1005	AUS
230Vac 9.2VA	38 drive 25 return	2 Position Spring Return	0.5	M447C1004	AUS
24Vac 6.0VA	27 drive 25 return	2 Position Spring Return	0.34	M847B1014	AUS

DA02 Zone Damper Actuators

Zone damper actuators for direct mount to domestic butterfly/barrel or splitter box dampers. Drive Open/ Drive Closed (Non-Spring return). Electrical Connection: 1 Metre Cable attached. 8 year warranty.



Voltage and Power	Timing (s)	Control Mode	Torque (Nm)	Part Number	Stock/ Indent
240Vac 5.0VA	24.0	Floating Bi-Directional Non Spring Return	1.5	DA0216A	AUS
24Vac 5.0VA	24.0	Floating Bi-Directional Non Spring Return	1.5	DA0211A	AUS

ML6161 Actuators

Direct coupled actuators for modulating or floating control of air dampers, ventilation flaps, louvers & VAV units. Non-Spring Return. Mounting round & square. Damper shafts 9.5 to 12.7mm, minimum shaft length 45mm.



Voltage and Power	Timing (s)	Control Mode	Torque (Nm)	Part Number	Stock/ Indent
24Vac 4.0VA	108	Floating Non-Spring Return	4.0	ML6161B2024B	AUS

Direct-Coupled Actuators

N05 Non Spring Return SmartAct Damper Actuators



Direct coupled actuators which provide modulating or floating control for air dampers, ventilation flaps, louvers and VAV units, and for mounting on ball valves.

Non spring return. Self centering shaft adaptor. For round shafts 8-16mm; square shafts 6-13mm. Declutch for manual operation. Switch selectable rotation direction. For dampers with an area of 1 square metre. 5 year warranty.

Voltage and Power	Control Mode	Torque (Nm)	Features	Part Number	Stock/Indent
24Vac 6VA	2 Position/Floating	5	Runtime 110s	CN6105A1011	S
24Vac 6VA	2 Position/Floating	5	Runtime 110s 2 Auxiliary Switches	N0524-SW2	AUS
230Vac 6VA	2 Position	5	Runtime max 110s	N05230-2POS	AUS
24Vac 6VA	Modulating 0/2- 10Vdc Floating 2 Position	5	Runtime 90-110s 0-10Vdc Feedback signal	CN7505A2001	S
24Vac 6VA	Modulating 0/2- 10Vdc Floating 2 Position	5	Runtime 90-110s 0-10Vdc Feedback signal 2 Auxiliary Switches	N05010-SW2	AUS

N10 Non Spring Return SmartAct Damper Actuators



Direct coupled actuators for modulating or floating control of air dampers, ventilation flaps, louvers and VAV units, and for mounting on ball valves.

Non spring return. Self centering shaft adaptor. For round shafts 8-16mm; square shafts 6-13mm. Declutch for manual operation. Switch selectable rotation direction. For dampers with an area of 2 square metres. 5 year warranty.

Voltage and Power	Control Mode	Torque (Nm)	Features	Part Number	Stock/Indent
24Vac 6VA	2 Position/Floating	10	Runtime 110s	CN6110A1003	AUS
24Vac 6VA	2 Position/Floating	10	Runtime 110s 2 Auxiliary Switches	CN6110A1021	AUS
230Vac 6VA	2 Position	10	Runtime max 140s	N10230-2POS	I
24Vac 6VA	Modulating 0/2- 10Vdc Floating 2 Position	10	Runtime 90-110s 0-10Vdc Feedback signal	CN7510A2001	AUS
24Vac 6VA	Modulating 0/2- 10Vdc Floating 2 Position	10	Runtime 90-110s 0-10Vdc Feedback signal 2 Auxiliary Switches	CN7510A2209	AUS

Direct-Coupled Actuators

N20 Non Spring Return Smartact Damper Actuators



Direct coupled actuators for modulating or floating control of air dampers, ventilation flaps, louvers and VAV units, and for mounting on ball valves.

Non spring return. Self centering shaft adaptor. For round shafts 10-27mm; square shafts 10-18mm. Declutch for manual operation. Switch selectable rotation direction. For dampers with an area of 4 square metres. 5 year warranty.

Voltage and Power	Control Mode	Torque (Nm)	Features	Part Number	Stock/Indent
24Vac 6VA	2 Position/Floating	20	Runtime 110s	CN6120A1002	S
24Vac 6VA	2 Position/Floating	20	Runtime 110s 2 Auxiliary switches	N2024-SW2	AUS
230Vac 6VA	2 Position/Floating	20	Runtime 110s	CN4620A1001	S
230Vac 6VA	2 Position/Floating	20	Runtime 110s 2 Auxiliary switches	N20230-SW2	AUS
24Vac 6VA	Modulating 0/2-10Vdc	20	Runtime 95s 0-10Vdc Feedback signal	CN7220A2007	S
24Vac 6VA	Modulating 0/2-10Vdc	20	Runtime 95s 0-10Vdc Feedback signal 2 Auxiliary switches	N20010-SW2	AUS

N34 Non Spring Return SmartAct Damper Actuators



Direct coupled actuators for modulating or floating control of air dampers, ventilation flaps, louvers, VAV units and for mounting on ball valves. For dampers with an area of 6 square metres.

Non spring return. Self centering shaft adaptor. For round shafts 10-27mm; square shafts 10-18mm. Declutch for manual operation. Switch selectable rotation direction. 5 year warranty.

Voltage and Power	Control Mode	Torque (Nm)	Features	Part Number	Stock/Indent
24Vac 7VA	2 Position/Floating	34	Runtime 110s	CN6134A1003	AUS
230Vac 7VA	2 Position/Floating	34	Runtime 110s	CN4634A1001	AUS
24Vac 8VA	Modulating 0/2-10Vdc	34	Runtime 95s 0-10Vdc Feedback signal	CN7234A2008	AUS

N20 / N34 Auxiliary switch

End Switch for non spring return SmartAct damper actuators.



Actuator	Triggering Points	Switch Type	Voltage	Part Number	Stock/Indent
N20/N34	5° / 85°	SPDT	24 Vac/dc, 5 A (R), 3 A (I)	SW2	AUS
N05/N10	5° / 85°	SPDT	24 Vac/dc, 5 A (R), 3 A (I)	SSW2	I

Direct-Coupled Actuators

S05 Spring Return SmartAct Damper Actuators



Direct-coupled spring return actuators which provide modulating or on/off control for air dampers, ventilation flaps, louvers, air handlers, VAV units and for mounting on ball valves. Models with auxiliaries available on request. Spring return. 5 year warranty.

Voltage and Power	Control Mode	Torque (Nm)	Features	Part Number	Stock/ Indent
24Vac 25VA - Run 8VA - Hold	2 Position	5	Drive Open Runtime 45s Spring Close Runtime 20s	S0524-2POS	AUS
230Vac 45VA - Run 13VA - Hold	2 Position	5	Drive Open Runtime 45s Spring Close Runtime 20s	S05230-2POS	AUS
24Vac 13VA - Run 5VA - Hold	Modulating 0/2-10Vdc	5	Drive Open Runtime 90s Spring Close Runtime 20s	MS7505A2008/U	AUS

S10 Spring Return SmartAct Damper Actuators



Direct-coupled spring return actuators which provide modulating or on/off control for air dampers, ventilation flaps, louvers, air handlers, VAV units and for mounting on ball valves. Models with auxiliaries available on request. Spring return. 5 year warranty.

Voltage and Power	Control Mode	Torque (Nm)	Features	Part Number	Stock/ Indent
24Vac 30VA - Run 8VA - Hold	2 Position	10	Drive Open Runtime 45s Spring Close Runtime 20s	S1024-2POS	AUS
24Vac 30VA - Run 8VA - Hold	2 Position	10	Drive Open Runtime 45s Spring Close Runtime 20s 2 Auxiliary Switches	S1024-2POS-SW2	AUS
230Vac 45VA - Run 13VA - Hold	2 Position	10	Drive Open Runtime 45s Spring Close Runtime 20s	S10230-2POS	AUS
24Vac 14VA - Run 5VA - Hold	Modulating 0/2-10Vdc	10	Drive Open Runtime 90s Spring Close Runtime 20s	S10010	AUS
24Vac 14VA - Run 5VA - Hold	Modulating 0/2-10Vdc	10	Drive Open Runtime 90s Spring Close Runtime 20s 2 Auxiliary Switches	S10010-SW2	AUS

S20 Smartact Damper Actuators



Direct-coupled spring return actuators which provide modulating or on/off control for air dampers, ventilation flaps, louvers and VAV units; and for mounting on ball valves. Spring return. 5 year warranty.

Voltage and Power	Control Mode	Torque (Nm)	Features	Part Number	Stock/ Indent
24Vac 40VA - Run 8VA - Hold	2 Position	20	Drive Open Runtime 45s Spring Close Runtime 20s	S2024-2POS	AUS
24Vac 40VA - Run 8VA - Hold	2 Position	20	Drive Open Runtime 45s Spring Close Runtime 20s 2 Auxiliary switches	S2024-2POS-SW2	AUS
230Vac 60VA - Run 13VA - Hold	2 Position	20	Drive Open Runtime 45s Spring Close Runtime 20s	S20230-2POS	AUS
24Vac 16VA - Run 5VA - Hold	Modulating 0/2-10V	20	Drive Open Runtime 90s Spring Close Runtime 20s	S20010	AUS
24Vac 16VA - Run	Modulating 0/2-10V	20	Drive Open Runtime 90s Spring Close Runtime 20s	S20010-SW2	AUS

Fire & Smoke Damper Actuators

ML4155/8115 Fast Acting Two Position Actuators



Fast acting, two position actuators for fire/smoke control applications, spring return, direct-coupled.

Designed to meet UL555S standards at 176°C. Mounting bracket sold separately (see below).
5 year warranty.

Voltage and Power	Torque (Nm)	Rotation Direction	Auxiliary Switches	Part Number	Stock/ Indent
230Vac 18W - Running 11W - Holding	3.4	Counter Clockwise	External available	ML4115C1007	AUS
230Vac 18W - Running 11W - Holding	3.4	Clockwise	External available	ML4115D1006	AUS
24Vac 16W - Running 8W - Holding	3.4	Counter Clockwise	External available	ML8115A1005	AUS
24Vac 16W - Running 8W - Holding	3.4	Clockwise	External available	ML8115B1004	AUS

MS4809/4709/8309/8209 Fast Acting Two Position Actuators



Fast acting, two position actuators (FATPA) for fire/smoke control applications, spring return, direct-coupled.

Designed to meet UL555S standards at 176°C. Mounting bracket sold separately (see FATPA Accessories).

Voltage and Power	Torque (Nm)	Rotation Direction	Auxiliary Switches	Part Number	Stock/ Indent
240Vac 23W - Running 7W - Holding	9	Counter Clockwise	External available	MS4809F1012	AUS
240Vac 23W - Running 7W - Holding	9	Clockwise	External available	MS4709F1014	AUS
24Vac 23W - Running 7W - Holding	9	Counter Clockwise	External available	MS8309F1001	AUS
24Vac 23W - Running 7W - Holding	9	Clockwise	External available	MS8209F1003	AUS

ML4620/8120 Fast Acting Two Position Actuators



Fast acting, two position actuators (FATPA) for fire/smoke control applications, spring return, direct coupled.
Designed to meet UL555S standards at 176°C.

Voltage and Power	Torque (Nm)	Rotation Direction	Auxiliary Switches	Part Number	Stock/ Indent
230Vac 35W - Running 10W - Holding	20	CW/CCW Due to mounting	0 Internal High temperature indicator.	MS4620F1005	NZ
230Vac 35W - Running 10W - Holding	20	CW/CCW Due to mounting	2 Internal High temperature indicator.	MS4620F1203/B	AUS
24Vac 35W - Running 10W - Holding	20	CW/CCW Due to mounting	0 Internal	MS8120F1002/U	S
24Vac 35W - Running 10W - Holding	20	CW/CCW Due to mounting	2 Internal	MS8120F1200	I

FATPA Accessories

FATPA Accessories

Accessories are available for the 3.4 and 9Nm FATPA models.

Details	Part Number	Stock/ Indent
Mounting Bracket	205649/U	S
External Auxiliary Switches	32003532-003	I

Modutrol Motors

M4185/M8185/M6285 2 Position Control Modutrol Motors



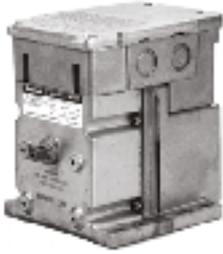
Modutrol motors are foot mounted motors that can be used to operate dampers and valves. Auxillary switches can be installed separately.

2 position or floating control, spring return, feedback signal available on M6285 models.

Voltage	Timing and Stroke	Torque	Control Mode	Part Number	Stock/ Indent
120Vac	30-60 sec 90-160°	6.8Nm	2 Position SPST Spring return	M4185A1001/U	I
24Vac	30-60 sec 90-160°	6.8Nm	2 Position SPST Spring return	M8185D1006/U	I
24Vac	30-60 sec 90-160°	6.8Nm	Floating Spring Return Non linear feedback signal for slaving applications	M6285A1005/U	AUS

Modutrol Motors

M6184/M6284/M6194/M6294 Floating Control Modutrol Motors



Modutrol motors are foot mounted motors that can be used to operate dampers and valves. Auxillary switches can be installed separately.

Floating control, non spring return, feedback signal available on M6284 and M6294 models.

Voltage	Timing and Stroke	Torque	Control Mode	Part Number	Stock/ Indent
24Vac	30-60 sec 90-160°	8.5Nm	Floating Non spring return	M6184D1001/U	I
24Vac	30-60 sec 90-160°	17Nm	Floating Non spring return	M6184D1035/U	NZ
24Vac	2-4 min 90-160°	17Nm	Floating Non spring return	M6184D1068/U	I
24Vac	30-60 sec 90-160°	17Nm	Floating Non spring return Non linear feedback for slaving applications	M6284D1000/U	AUS
24Vac	30-60 sec 90-160°	17Nm	Floating Non spring return Linear 10k pot feedback signal	M6284D1032- F/U	NZ
24/120/230Vac	30-60 sec 90-160°	17Nm	Floating Non spring return Non linear feedback for slaving applications 2 internal auxillary switches	M6284F1062/U	I
24Vac	2-4 min 90-160°	34Nm	Floating Non spring return	M6194D1017/U	I
24Vac	2-4 min 90-160°	34Nm	Floating Non spring return Non linear feedback for slaving applications	M6294D1008/U	NZ

M7284Q/M7294Q Modulating Control Modutrol Motors



Modutrol motors are foot mounted motors that can be used to operate dampers and valves. Auxillary switches can be installed separately.

Modulating control, non spring return, no feedback signal available. Adjustable zero and span for split range applications.

Voltage	Timing and Stroke	Torque	Control Mode	Part Number	Stock/ Indent
120Vac	30-60 sec 90-160°	17Nm	Modulating 4-20mA Adjustable zero & span Non spring return 2 internal auxiliary switches	M7284Q1009/U	I
120Vac	30-60 sec 90-160°	34Nm	Modulating 4-20mA Adjustable zero & span Non spring return 2 internal auxiliary switches	M7294Q1007/U	I

Modutrol Motors

M9164/M9174/M9184/M9194 Modulating Control Modutrol Motors



Modutrol motors are foot mounted motors that can be used to operate dampers and valves. Auxillary switches can be installed separately.

Modulating control, non spring return, no feedback signal available.

Voltage	Timing and Stroke	Torque	Control Mode	Part Number	Stock/Indent
24Vac	30-60 sec 90-160°	4Nm	Modulating 0-135Ω Non spring return	M9164D1009/U	I
120Vac	30-60 sec 90-160°	8.5Nm	Modulating 0-135Ω Non spring return 2 internal auxiliary switches	M9174C1025/U	I
24Vac	30-60 sec 90-160°	17Nm	Modulating 0-135Ω Non spring return	M9184D1021/U	S
24Vac	30-60 sec 90-160°	34Nm	Modulating 0-135Ω Non spring return	M9194D1003/U	I
24Vac	30-60 sec 90-160°	34Nm	Modulating 0-135Ω Non spring return 1 internal auxiliary switch	M9194E1000/U	NZ

M9185 Modulating Control Modutrol Motors



Modutrol motors are foot mounted motors that can be used to operate dampers and valves. Auxillary switches can be installed separately.

Modulating control, spring return, no feedback signal available.

Voltage	Timing and Stroke	Torque	Control Mode	Part Number	Stock/Indent
24Vac	30-60 sec 90-160°	6.8Nm	Modulating 0-135Ω Spring return	M9185D1004/U	S

M7284A/C Combustion Modutrol Motors



Modutrol motors are foot mounted motors that can be used to operate dampers and other equipment in combustion applications. Auxillary switches can be installed separately.

Modulating control, non spring return, no feedback signal available.

Voltage	Timing and Stroke	Torque	Control Mode	Part Number	Stock/Indent
120Vac	30 sec 90°	17Nm	Modulating 4-20mA Fixed zero & span Non spring return	M7284A1004/U	I
120Vac	60 sec 160°	17Nm	Modulating 4-20mA Fixed zero & span Non spring return	M7284A1012/U	I
120Vac	30-60 sec 90-160° fixed zero & span	17Nm	Modulating 4-20mA Fixed zero & span Non spring return 2 internal auxiliary switches	M7284C1000/U	I

Modutrol Motors

M9484 Flame Safeguard Modutrol Motors



Modutrol motors are foot mounted motors that can be used to operate dampers and other equipment in combustion applications. Auxilliary switches can be installed separately.

Modulating control, non spring return, no feedback signal available.

Voltage	Timing and Stroke	Torque	Control Mode	Part Number	Stock/Indent
24Vac	30-60 sec 90-160°	17Nm	Modulating 0-135Ω Non spring return	M9484D1010/U	I
24Vac	30-60 sec 90-160°	17Nm	Modulating 0-135Ω Non spring return 1 internal auxiliary switch	M9484E1033/U	I
24Vac	30-60 sec 90-160°	17Nm	Modulating 0-135Ω Non spring return 2 internal auxiliary switches	M9484F1031/U	I

Modutrol Motors - Accessories

Modutrol IV Motors - Accessories

Range of accessories compatible with the Modutrol IV Motor range; auxilliary switches, adaptor bracket, crank arm, damper crank arm, resistor board, push rod, linkage ball joint, manual pot, transformers and interface module



Details	Part Number	Stock/Indent
Single auxilliary switch, mounted internally.	220736A	I
Dual auxilliary switch, mounted internally.	220736B	S
Adaptor bracket used to maintain original shaft height when replacing Mod III Motors.	220738A	S
Crank arm.	221455A	S
Resistor board for Series 90 Mod IV Motors. Adapts Series 90 motors for 4-20mA input or for driving motors in parallel	221508A	S
18" Push Rod 5/16 dia.	27520E	I
Damper crank arm for use with 1/2" DIA shaft.	26026G	I
Transformer for Mod IV motors, mounts internally. 110/240Vac input to 24Vac	198162AA	I
Linkage Ball Joint	315321	NZ
Heavy Duty crank arm for 34Nm Motors	4074ELR	NZ
Manual Pot 135 ohm, scale marked open/close	S963B1128	I
Transformer for Mod IV series2 motors Internally mounted. 24,120, 240Vac dependent on wiring	50017460-001	S

Interface Modules & Linkages

Interface Modules



Modutrol IV voltage/current interface module. For converting series 90 Modutrol IV motors to series 70 (electronic) control. Use with M91XX Motors.

Type	Range	Part Number	Stock/ Indent
Voltage Interface	4-7Vdc 6-9Vdc 10.5-13.5Vdc	Q7130A1006	I
Voltage and Current Interface	4-20mA 2-10 Vdc	Q7230A1005	S

Q605 Damper Linkages for Mod IV Motors

Damper linkages for Modutrol IV Motors, includes extra motor bracket, motor & damper crank arms, and ball joints. Order push rod, 27520E, separately.



Type	Motor Bracket	Components	Features	Part Number	Stock/ Indent
Single Damper	Included	1 Damper arm 1 Motor crank arm 2 Ball joints		Q605F1018	I
Single Damper	Not included	1 Damper arm 1 Motor crank arm 2 Ball joints		Q605J1013	I
Dual Damper	Included	3 Damper arms 1 Motor crank arm 4 Ball joints	Includes left hand drive ear and crank arm adapter	Q605H1024	I

Q5001 Valve Linkages for Modutrol IV Motors



Valve linkages for Modutrol IV Motors to connect to a 2- or 3-way valve. It is used primarily on V5011 or V5013 steam & water valves.

Type	Motor	Stroke	Features	Part Number	Stock/ Indent
356N Stem Force	Use with 6.8Nm or 8.5Nm motor	3/4" lift Fixed	Includes 1 3/8" valve bracket and anti spin clip	Q5001A1006	AUS
712N Stem Force	Use with 17Nm motor	3/4" lift Fixed	Includes 1 3/8" valve bracket and anti spin clip	Q5001A1014	S
712N or 1355 Stem Force	Use with 17Nm or 34Nm motor	3/4" lift Fixed	Includes 1 3/8" valve bracket and anti spin clip	Q5001D1018/U	I
712N or 1355 Stem Force	Use with 17Nm or 34Nm motor	1 1/2" lift Fixed	Includes 1 7/8" valve bracket and anti spin clip	Q5001D1026/U	I

Rotary Actuators

M6061/ M7061 Actuators



The M6061 actuator is designed to provide floating (or modulating) control of the DR family of rotary valves in heating and air-conditioning systems. Torque ranges from 10Nm to 40Nm and are available in line or low voltage.

Voltage and Power	Control	Torque	Valve size	Part Number	Stock/Indent
24Vac 3.5 VA	Floating	10	15-40mm	M6061A1013	I
24Vac 3.5 VA	Floating	20	50-80mm	M6061A1021	I
24Vac 3.5 VA	Floating	30	100-125mm	M6061A1039	I
24Vac 3.5 VA	Floating	40	150-200mm	M6061A1047	I
230Vac 3.5 VA	Floating	10	15-40mm	M6061L1019	I
230Vac 3.5 VA	Floating	20	50-80mm	M6061L1027	I
230Vac 3.5 VA	Floating	30	100-125mm	M6061L1035	NZ
230Vac 3.5 VA	Floating	40	150-200mm	M6061L1043	I
24Vac 3.5 VA	Modulating 0/2-10Vdc	10	15-40mm	M7061E1012	I
24Vac 3.5 VA	Modulating 0/2-10Vdc	20	50-80mm	M7061E1020	I

6

Pneumatic Controls

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Pneumatic Controls

Pneumatic Thermostats & Sensors

TP970 Pneumatic Thermostat



Two-pipe, single setpoint, pneumatic thermostat used to provide proportional control of pneumatic valves and damper actuators in heating & air conditioning systems.

Temp Range	Action	Mounting	Features	Part Number	Stock/ Indent
15-30°C	Direct Acting	Horizontal or vertical	Cover sold separately	TP970A2020	S
15-30°C	Reverse Acting	Horizontal or vertical	Cover sold separately	TP970B2010	S
60-90°F	Direct Acting	Horizontal or vertical	Cover sold separately	TP970A2038	I

TP972 Pneumatic Heating/Cooling Thermostat



Two-pipe, one or two temp pneumatic thermostat used to provide proportional control of pneumatic valves and damper actuators in heating and air conditioning systems with summer/winter changeover.

Action dependent on mains supply: direct acting - mains supply 124kPa (18psi); reverse acting - mains supply 89kPa (13psi).

Temp Range	Action	Mounting	Features	Part Number	Stock/ Indent
15-30°C	Direct or Reverse Acting	Horizontal or vertical	Cover sold separately	TP972A2010	AUS

TP973 Pneumatic Thermostat



One or two-pipe, single temperature, low capacity, pneumatic thermostat used to provide proportional control of pneumatic valves and damper actuators in heating and air conditioning systems. For 1 pipe functionality, order external 0.0005in restriction 14002913-001.

Temp Range	Action	Mounting	Features	Part Number	Stock/ Indent
15-30°C	Direct Acting	Horizontal or vertical	Cover sold separately	TP973A2084	AUS
15-30°C	Reverse Acting	Horizontal or vertical	Cover sold separately	TP973B2074	AUS
60-90°F	Direct Acting	Horizontal or vertical	Cover sold separately	TP973A2076	I

TP975 Pneumatic Diffuser Thermostat



One-pipe, single temp, low capacity pneumatic thermostat used to provide proportional control of pneumatic valves and mixing boxes in heating and air conditioning systems. Mounts in a slot/ light troffer diffuser or a return air grill. Two-way setpoint indicator for vertical or horizontal mounting.

Temp Range	Action	Mounting	Features	Part Number	Stock/ Indent
67-83°F	Direct Acting	Horizontal or vertical		TP975A1009	AUS

Pneumatic Controls

Pneumatic Thermostats & Sensors

LP914 Pneumatic Temperature Sensor



One-pipe, direct-acting temperature sensor used with RP920 controllers to provide proportional control of pneumatic valve or damper actuators. Rod and tube insertion element for duct, well or through the wall mounting. Corrosion resistant.

Range	Sensor Element	Element Length	Mounting	Part Number	Stock/ Indent
-4 to 52°C	Rod and tube	381mm	Duct	LP914A1144	AUS
-4 to 52°C	Rod and tube	381mm	Duct	LP914A1235	I
-40 to 71°C	Rod and tube	178mm	Duct	LP914A1045	I
-40 to 71°C	Rod and tube	381mm	Duct	LP914A1003	I
-40 to 71°C	Rod and tube	178mm	Wall	LP914A1060	I
5 to 115°C	Rod and tube	178mm	Wall	LP914A1052	AUS

LP915 Pneumatic Temperature Sensor



One-pipe, direct-acting temperature sensor used with RP920 controllers to provide proportional control of pneumatic valve or damper actuators. Averaging, liquid filled element for duct mounting. Easily formed into variety of configurations to assure sensing of average temperatures.

Range	Sensor Element	Element Length	Mounting	Part Number	Stock/ Indent
-18 to 93°C	Liquid filled	5.6m	Duct	LP915A1044	I

LP916 Pneumatic Thermostat



Two-pipe, single temperature, unit mounted, remote bulb pneumatic thermostat used to provide proportional control of pneumatic valve and damper actuators in heating and air conditioning systems. Liquid filled remote bulb.

Setpoint Range	Action	Number of pipes	Features	Part Number	Stock/ Indent
Warmer/Cooler	Direct Acting	2	Max operating temp: 57°C Includes mounting bracket and bulb hangers.	LP916A1019	I

Pneumatic Humidistats

HP970 Pneumatic Humidistat



Two-pipe, single setpoint, pneumatic humidistats used to provide proportional control of pneumatic valves on humidification or dehumidification systems. Backplate has molded air connections; no separate fittings needed.

Temp Range	Action	Mounting	Features	Part Number	Stock/ Indent
15-75% RH	Reverse Acting	Horizontal or vertical		HP970B1007	I
15-75% RH	Direct Acting	Horizontal or vertical		HP970A1009	I

Pneumatic Thermostat Accessories

Pneumatic Thermostats - Spares and Accessories

Spare parts and accessories are available for the pneumatic thermostats range.



Details	Part Number	Stock/Indent
Calibration Tool	CCT735A/U	S
Two pipe air head, no tubing.	14000742-002	I
Copper tube assembly (2 pipe).	14001615-002	I
2 Pipe, Plastic Air-Head, shallow wall box.	14001616-002	I
Sleeve, seal	14002039-001	NZ
Duct Sampling Chamber TP970	14002362-001	I
Heavy duty guard assembly for TP970	14002430-001	I
Modernization Kit for TP970, 1 or 2 pipe	14002573-001	I
Tee Restrictor Size 0.005 in, outlet 1/4" & 5/32"	14002913-001	AUS
Tee Restrictor Size 0.007 in, outlet 1/4" & 1/4"	14002913-002	AUS
Filter Element Kit PP902	14003121-002	I
Adaptor Kit for Thermostat Replacement	14003192-001	I
Stand Off Ring for TP970	14004458-001	AUS

Thermostat Covers and Backing Plates

Various covers are available for the TP970, TP972 and TP973 range of thermostats.



Details	Part Number	Stock/Indent
Thermostat cover, satin chrome, 15-30°C setpoint, thermometer, vertical.	14004406-110	I
Vertical Blank Cover for TP970 Satin Chrome.	14004406-300	S
Horizontal Blank Cover for TP970 Satin Chrome.	14004406-400	I
Thermostat cover, beige 15-30°C setpoint, thermometer, vertical.	14004407-110	I
Thermostat cover plastic beige, 15-30°C horizontal mounting slot open.	14004407-210	I
Thermostat cover plastic beige, no display, setpoint slot closed.	14004407-300	AUS
Universal Cover Kit for TP970	14003925-002	I
Pneumatic Thermostat Backing Plate.	14002053-001	S
Thermostat Guard for TP970/1/2/3/4 pneumatic thermostats - dark grey	TG509F1003	I
Thermostat Guard for TP970/1/2/3/4 pneumatic thermostats - off white	TG509G1001	I

Pneumatic Actuators

MP909 Pneumatic Actuator

Pneumatic actuators used for proportional control of variable volume terminal units and small dampers. Available in various operating ranges for either individual or sequence operation with other actuators. MP909D has a rugged ribbed aluminium body.



Range	Stroke	Mounting	Features	Part Number	Stock/ Indent
35 to 70 kPa (5-10psi)	60mm		No mounting bracket or ball joint	MP909D1227	I
35 to 70 kPa (5-10psi)	60mm	90 degree mounting bracket	With ball joint	MP909D1342	I
55 to 90 kPa (8 -13psi)	60mm		No mounting bracket or ball joint	MP909D1219	I
20 to 90 kPa (3-13psi)	102mm	90 degree mounting bracket	With linkage kit and ball joint	MP909E1018/U	I
20 to 90 kPa (3-13psi)	102mm	External trunnion mounting bracket		MP909E1356	I
35 to 70 kPa (5-10psi)	102mm	External trunnion mounting bracket		MP909E1364	I

MP913 Pneumatic VAV Damper Actuator

Pneumatic VAV damper actuator provides proportional control of variable volume dampers in small high velocity mixing boxes.



Range	Stroke	Mounting	Features	Part Number	Stock/ Indent
35 to 70 kPa (5-10psi)	25mm	90 degree mounting bracket	Spring return	MP913A1037	I

MP918 Pneumatic Damper Actuator

The MP918 A and B are rolling diaphragm, piston-type actuators. Used for proportional control of medium to large size dampers in HVAC systems. The MP918A has a positive positioner.



Range	Stroke	Mounting	Features	Part Number	Stock/ Indent
10psi Span	90mm	External mounting bracket	Positive positioner	MP918A1024	I
35 to 70 kPa (5-10psi)	90mm	External mounting bracket		MP918B1048/U	I
20 to 90 kPa (3 -13psi)	90mm	External mounting bracket		MP918B1006	AUS
55 to 90 kPa (8 -13psi)	90mm	External mounting bracket		MP918B1089	I
55 to 90 kPa (8 -13psi)	90mm	Internal NC mounting bracket		MP918B1097	I
55 to 90 kPa (8 -13psi)	90mm	Internal NO mounting bracket		MP918B1105	I
55 to 90 kPa (8 -13psi)	90mm	No mounting bracket		MP918B1113	I

Pneumatic Actuators

MP953 Pneumatic Valve Actuator



Pneumatic actuator provides proportional control of steam, hot or cold liquids in HVAC systems by operating V5011 and V5013 valve assemblies.

Range	Stroke	Control Mode	Features	Part Number	Stock/Indent
15 to 50kPa 2 to 7 psi	19mm	Direct Acting	5" diameter	MP953C1000	I
15 to 50kPa 2 to 7 psi	19mm	Direct Acting	8" diameter With stem extension assembly	MP953C1067	I
15 to 50kPa 2 to 7 psi	38mm	Direct Acting	13" diameter With stem extension assembly	MP953C1471	I
30 to 75kPa 4 to 11 psi	19mm	Direct Acting	5" diameter	MP953C1026	I
30 to 75kPa 4 to 11 psi	38mm	Direct Acting	13" diameter With stem extension assembly	MP953C1489	I
55 to 85kPa 8 to 12 psi	19mm	Direct Acting	5" diameter	MP953C1018	AUS
55 to 85kPa 8 to 12 psi	19mm	Direct Acting	8" diameter With stem extension assembly	MP953C1075	AUS
20 kPa span 3 psi span	19mm	Direct Acting	5" diameter With positioner	MP953E1301/U	I
20 kPa span 3 psi span	19mm	Direct Acting	8" diameter With positioner With stem extension assembly	MP953E1368	I
35 kPa span 5 psi span	19mm	Direct Acting	5" diameter With positioner	MP953E1319	I
35 kPa span 5 psi span	38mm	Direct Acting	13" diameter With positioner With stem extension assembly	MP953E1400	I
70 kPa span 10 psi span	19mm	Direct Acting	5" diameter With positioner	MP953E1327	I
70 kPa span 10 psi span	19mm	Direct Acting	8" diameter With positioner With stem extension assembly	MP953E1384	I
70 kPa span 10 psi span	38mm	Direct Acting	13" diameter With positioner With stem extension assembly	MP953E1418	I
20 to 50kPa 3 - 7 psi	19mm	Reverse Acting	7 1/8" diameter	MP953D1172	I
30 to 75kPa 4 - 11 psi	19mm	Reverse Acting	7 1/8" diameter	MP953D1131	S
55 to 90kPa 8 - 13 psi	19mm	Reverse Acting	7 1/8" diameter	MP953D1107	S
20 kPa span 3 psi span	19mm	Reverse Acting	7 1/8" diameter With positioner	MP953F1093	I
35 kPa span 5 psi span	19mm	Reverse Acting	7 1/8" diameter With positioner	MP953F1101	AUS
70 kPa span 10 psi span	19mm	Reverse Acting	7 1/8" diameter With positioner	MP953F1119	I

Pneumatic Controls

Pneumatic Actuators

MP958 Pneumatic Valve Actuator

Pneumatic actuator for V582x and V583x valves. Use MP958 with V58xx valves as replacement for obsolete VP valve series.



Range	Stroke	Control Mode	Part Number	Stock/Indent
15 to 35 kPa 2 -5psi	6.5mm 0.25"	Direct Acting	MP958A1009	AUS
20 to 65 kPa 3 -10psi	6.5mm 0.25"	Direct Acting	MP958A1017	S
55 to 75 kPa 8 -11psi	6.5mm 0.25"	Direct Acting	MP958A1025	AUS

Pneumatic Actuator - Spares and Accessories

Damper Actuator Spares and Accessories

Actuator spares and accessories.

Details	Part Number	Stock/Indent
Retrofit Kit - converts MP904A to MP904C	14004136-001	I
Retrofit Kit - converts MP909E to MP909H	14004137-001	I
Range Conversion Spring Kit for MP904A & MP904H	14004210-001	I
Repair Kit Positive Positioner for use with MP918A	14004264-001	I
Positive Positioner Kit (150mm) - Only used for MP920B motors.	14004345-001	I
Ball Joints (10) for 5/16" diameter rod	27518	AUS

Valve Actuator Spares and Accessories

Details	Part Number	Stock/Indent
Replacement positioner for MP953F Retrofit Kit to convert MP953B to MP953F	14004138-001	I
Replacement positioner for MP953E 19mm stroke Retrofit Kit to convert MP953A to MP953E	14004139-001	I
Replacement positioner for MP953E 38mm stroke Retrofit Kit to convert MP953A to MP953E	14004140-001	I
Repair Kit Reverse Acting 7 1/8" - MP953B, D, F	14003124-002	AUS
Diaphragm Kit Reverse Acting 7 1/8" - MP953B, D, F	14002040-002	NZ
Diaphragm Kit Direct Acting 5" - MP953A, C, E	312760	I
Diaphragm Kit Direct Acting 8" - MP953A, C, E	311750	S
Diaphragm Kit Direct Acting 13" - MP953A, C, E	312505	AUS

Pneumatic Controllers

PP903 Pneumatic Differential Pressuretrol



One-pipe, pressure operated device, used to provide proportional control of pneumatic valve or damper actuators by varying the pressure to the actuators, in relation to the pressure difference between two separate pressures. Easily accessible adjustments.

Application	Control Action	Range	Features	Part Number	Stock/ Indent
Differential Pressure	Direct or Reverse Acting	0 to 2068kPa (0 to 300psi)	Actuator Force 21kPa Mounting lugs included.	PP903A1036	I

PP904 Static Pressure Regulator



One or two-pipe, direct or reverse acting, low or high capacity controller used with pneumatic actuators to regulate static or differential pressure in central fan installations. Adjustable setpoint and throttling range.

Application	Control Action	Range	Features	Part Number	Stock/ Indent
Static or Differential Pressure	Direct or Reverse Acting	7 kPa (max)	Scale range: 0 to 1.7 kPa	PP904A1035	I

PP905 Static Pressure Sensor



One-pipe, direct or reverse acting pressure sensor used with RP920 controllers to provide control of duct static, velocity or differential pressure in airflow applications. Duct mounting.

Application	Control Action	Output Range	Features	Part Number	Stock/ Indent
Static or Differential Pressure	Direct or Reverse Acting	21 to 103kPa	Setpoint Range: 0 to 1.7 kPa Span: 0.5 kPa	PP905B1008	I

PP97 Pneumatic Pressure Control



One-pipe, pressure operated device that provides proportional control of pneumatic valves to control steam, air, non-corrosive gas, or non-corrosive liquid pressure. Easily accessible adjustments.

Application	Control Action	Range	Features	Part Number	Stock/ Indent
Proportional Pressure	Direct or Reverse Acting	0 to 103kPa	Approx throttling range: 0.7 to 10 kPa	PP97A1035	I
Proportional Pressure	Direct or Reverse Acting	69 to 2068 kPa	Approx throttling range: 3 to 17 kPa	PP97A1076	I

Pneumatic Controllers

RP920 Pneumatic Temperature Controller



Proportional, high capacity, single or dual input pneumatic controller used in conjunction with remote sensors to provide proportional (P) or proportional plus integral (P+I) control of temperature, humidity, pressure or dewpoint for heating and air-conditioning systems.

Direct acting models can be converted to reverse acting in the field.
 Input Signal: 21 to 103 kPa. Output Signal: 21 to 90 kPa. Temperature Range: 4 to 54°C

Application	Control Action	Number of Sensors	Features	Part Number	Stock/ Indent
Proportional	Direct Acting	1	CPA (Control Point Adjustment)	RP920A1009	AUS
Proportional	Direct Acting	1		RP920A1017	AUS
Proportional	Direct Acting	2	CPA (Control Point Adjustment) and reset.	RP920B1007	I
Proportional plus Integral	Direct Acting	1	CPA (Control Point Adjustment)	RP920C1005	I
Proportional plus Integral	Direct Acting	2	CPA (Control Point Adjustment) and reset	RP920D1003	I

LP920 Remote Bulb Temperature Controller



Two-pipe, single temperature, pneumatic temperature controller provides proportional control of pneumatic valves and damper actuators in heating and air-conditioning systems. Adjustable setpoint and throttling ranges.

Application	Control Action	Range	Features	Part Number	Stock/ Indent
Remote Bulb Temperature	Direct Acting	-1 to 66°C	Bulb: 10mm diameter x 133mm long Capillary: 76mm Well mount	LP920A1039	I

CP980 Velocity Controller



An ultra-sensitive, air velocity sensor and pneumatic controller. Controls pneumatic damper actuators in heating and air-conditioning systems to provide constant air velocity in the duct, regardless of the static pressure.

Application	Control Action	Range	Features	Part Number	Stock/ Indent
Velocity	Reverse Acting	Control: 2.5 to 17.8 m/s Transmitter: 7 to 103kPa	1 pipe Normally closed	CP980D1063	I
Velocity	Direct Acting	Control: 2.5 to 17.8 m/s Transmitter: 62 to 103kPa	2 pipe Normally open	CP980E1060	I
Velocity	Direct Acting	Control: 2.5 to 17.8 m/s Transmitter: 62 to 103kPa	2 pipe Normally closed	CP980F1068	NZ

Pneumatic Relays & Switches

P658 Pneumatic Electric Switch



Pneumatic electric switch, converts a pneumatic signal from a controller to an electrical switching action (SPDT) to provide start and stop control of equipment such as fans and pumps.

Setpoint Range	Resistive Load	Mounting	Features	Part Number	Stock/Indent
14 to 165kPa	25A @ 250Vac	Surface (includes case)	Factory calibrated at 70kPa (10psi)	P658A1013	I
14 to 165kPa	25A @ 250Vac	Panel	Factory calibrated at 70kPa (10psi)	P658B1012	AUS

RP418 Electric Pneumatic Relay



Electrically operated pneumatic switches used to interlock an electrical system and a pneumatic control system. Operates as a diverting relay, a selector relay or a stop and bleed relay. Mount and operate in any position.

Voltage	Mounting	Electrical Connections	Features	Part Number	Stock/Indent
240Vac	Surface	380mm leads	Includes junction box	RP418A1099	I
240Vac	Panel	380mm leads		RP418B1022	I

RP970 Pneumatic Capacity Relay



Direct acting, modulating relay provides increased capacity of the branch-line pressure to the final control device. Max operating pressure: 205 kPa (30psi).

Capacity	Mounting	Range	Features	Part Number	Stock/Indent
18ml/s at 5kPa differential	Panel, wall or in-line	0 to 125kPa (0 to 18psi)	Mounting clips provided	RP970A1008	AUS

RP971 Pneumatic Ratio Relay



A four port, non-bleed pneumatic relay which produces a modulating pressure output, proportional in a fixed ratio to pilot input changes. Controls pneumatic valve or damper actuators in sequence from a single thermostat.

Output range	Input Span	Mounting	Features	Part Number	Stock/Indent
21 to 90kPa (3 to 13psi)	21kPa	Panel, wall or in-line	Mounting Clip included	RP971A1007	AUS
21 to 90kPa (3 to 13psi)	34kPa	Panel, wall or in-line	Mounting Clip included	RP971A1015	AUS

Pneumatic Controls

Pneumatic Relays & Switches

RP972 Pneumatic Reversing Relay



A modulating relay suitable for all types of heating and air-conditioning control systems to reverse and increase the capacity of the branchline pressure to the final control element. The output varies inversely with the input, with an adjustable offset.

Range	Action	Mounting	Features	Part Number	Stock/ Indent
0 to 124kPa (0 to 18psi)	Reverse Acting	Wall, panel or in-line	Includes mounting clip	RP972A1006	AUS

RP973 Pneumatic Averaging Relay



A three port relay used in HVAC systems, averages the signals from two thermostats to control a single device such as a heating coil valve for a multi-zone unit. The pneumatic averaging relay provides an output pressure equal to the average of the two input pressures.

Range	Action	Mounting	Features	Part Number	Stock/ Indent
0 to 124kPa (0 to 18psi)	Averaging	Wall, panel or in-line		RP973A1005	AUS

RP470 Pneumatic Selector Relay



Three port relay used in HVAC systems to perform a variety of relay functions; transmit the higher of two input signals, lock out one pressure signal when second signal is higher, or transmit the lower of two pressure signals.

Range	Action	Mounting	Features	Part Number	Stock/ Indent
0 to 125kPa (0 to 18psi)	High or low pressure selector	Wall in-line or panel	Includes mounting clip	RP470A1003	I

Pneumatic Spares & Accessories General

Test Kits and Accessories

Test kits, calibration kits and accessories are available.



Details	Part Number	Stock/ Indent
Quick connect pressure test kit	CCT811/U	I
Pneumatic Calibration kit, with two 0-30psi gauges	MQP800/U	I
Pressure bulb assembly	CCT852/U	AUS

Pneumatic Spares & Accessories General

Tubing and Connectors



Polytube, connectors and other accessories.

Details	Part Number	Stock/ Indent
Pipe Alpha Delta. Pack includes 25 x main tube & 25 x branch tube.	14004559-001	I
Gauge 0 - 30 psi	305965	NZ
2" 0.200 KPA Gauge	43165113-001-0- 200	I
Stab Gauge/Gauge Needle	CCT729A/U	S
Polytube 5/32" one 500ft roll. White stripe.	AK3052W1	I
Polytube 1/4" one 250ft roll. White stripe.	AK3053W1	I
Polytube 3/8" one 500ft roll. White stripe.	AK3056	I
Polytube 1/4" one 250ft roll. Red stripe.	AK3070B	NZ
Polytube 1/4" one 250ft roll. Yellow stripe.	AK3070D	AUS
Polytube 3/8" one 250ft roll. Red stripe.	AK3071B	I
Polytube 3/8" one 250ft roll. Yellow stripe.	AK3071D	I
Brass Compression Ferrule 1/4"	CCT1403/U	I
Brass Compression Nut 1/4"	CCT1412/U	I
Brass Compression Unions 1/4"	CCT1421/U	I
Brass Compression Adaptor 1/4" x 1/8" mpt.	CCT1435T/U	I
Brass Compression Adaptor 1/4" x 1/4" mpt	CCT1436T/U	I
Brass Compression Adaptor 1/4" x 3/8" mpt	CCT1437T/U	I
Brass Compression Ell 1/4" x 1/8" mpt	CCT1490T/U	I
Brass Compression Tee 1/4"	CCT1529/U	I
90 Barb Female 1/4" x 1/8" fpt elbow	CCT1589B/U	I
Male Adaptor 1/4" x 1/8" mpt	CCT1590BT/U	I
Male Adaptor 3/8" x 1/4" mpt	CCT1592BT/U	I
Female Adaptor 1/4" x 1/8" fpt	CCT1594B/U	I
90 Male Street Ells 1/4" x 1/8" mpt	CCT1595BT/U	I
90 Elbows 3/8" fpt	CCT1598B/U	I
Barb Fit Coup 5/32" x 1/4"	CCT1606B/U	AUS
Barb Fit Coup 1/4" x 1/4"	CCT1607B/U	AUS
Barb Fit Coup 3/8" x 3/8"	CCT1608B/U	I
Tee 1/4" x 1/8" mpt x 1/4"	CCT1609BT/U	I
Barb Fit Coup 3/8" x 1/4"	CCT1610B/U	I
Barb Coupling 1/2" x 3/8"	CCT1611B/U	I

Pneumatic Controls

Pneumatic Spares & Accessories General

Tubing and Connectors Cont'd

Tubing and Connectors Continued.

Details	Part Number	Stock/ Indent
Barb STR Tee 1/4" x 1/4" x 1/4"	CCT1612B/U	S
Barb STR Tee 3/8" x 3/8" x 3/8"	CCT1613B/U	I
Inline Gauge Tee 1/4" x 1/4" x 1/8" fpt	CCT1614B/U	I
Barb Red Tee 3/8" x 1/4"	CCT1615B/U	I
Reducing Tees 1/2" x 1/2" x 1/4"	CCT1616B/U	I
Reducing Tees 1/2" x 1/2" x 3/8"	CCT1618B/U	I
Barb Bulkhead 1/4" x 1/4"	CCT1619B/U	I
Straight Tee 1/2" x 1/2" x 1/2"	CCT1620B/U	I
Barb Coup 5/32" x 5/32"	CCT1628B/U	I
Barb Coupling 1/2" x 1/4"	CCT1629B/U	I
Barb Red Tee 5/32" x 1/4"	CCT1630B/U	I
Male Adaptor 1/4" x 1/4" mpt	CCT1633BT/U	I
Compression Adaptor 1/4A x 1/4C x 1/4C	CCT1635B/U	I
Barb Straight Tee 5/32"	CCT1637B/U	I
1/4" Tubing Plugs	CCT1640/U	I
90 deg Elbows 5/32"	CCT1641/U	I
90 deg Brass Elbow 1/4"	CCT1642/U	I
90 deg Brass Elbow 1/2"	CCT1644/U	I
Brass Hex Head Plug 1/8"	CCT1705T/U	I
Caps Rubber 1/4"	CCT1801/U	I
Tank Valve Pack	CCT2083T/U	I
Tank Valve Adaptors	CCT2085/U	I
Air Check Diode Valve	CCT2090A/U	I
Barb Needle Valve 1/4"	CCT2127B/U	I
Comp Needle Valve 1/4"	CCT2135/U	I
Miracle Hanger	CCT2662/U	I
Miracle Adhesive 59m	CCT2664C/U	I
10" Long Springs for External 1/4" Tubing	CCT2758A/U	I

Residential & Commercial Thermostats

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Residential & Commercial Thermostats

Programmable Residential Thermostats

One Brand For Every Application, Budget, And Customer.

RESIDENTIAL NON-PROGRAMMABLE

	TH5220	TH5110	TH114	TH113	T6620B	T4360G	T6360D	T6360E	T6376
									
240Vac			✓	✓	✓	✓	✓	✓	✓
24Vac	✓	✓			✓				
Heat only	✓	✓	✓	✓	✓	✓			
Cool only	✓	✓					✓		
Heating & Cooling	✓	✓						✓	✓
No of Stages	2H/2C	1H/1C	1H	1H	1H	1H	1C	1H/1C	1H/1C
Gas or Oil	✓	✓							
Electric	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fan	✓	✓							✓
Heat pump w/ auxiliary heat	✓								
Heat pump w/o auxiliary heat	✓	✓						✓	✓
Digital	✓	✓	✓		✓				
Dial				✓		✓	✓	✓	✓
Accurate temperature control	✓	✓	✓	✓	✓	✓	✓	✓	✓
Remote Sensor (optional)			✓	✓					

RESIDENTIAL PROGRAMMABLE

	TH8320	TH8110	TH6220	TH6110	TH115	CMT907	CMR707
							
240Vac					✓	✓	✓
24Vac	✓	✓	✓	✓		✓	✓
Heat only	✓	✓	✓	✓	✓	✓	✓
Cool only	✓	✓	✓	✓		✓	
Heating & Cooling	✓	✓	✓	✓			
No of Stages	2H/2C	1H/1C	2H/2C	1H/1C	1H	1H or 1C	1H
Gas or Oil	✓	✓	✓	✓			
Electric	✓	✓	✓	✓	✓	✓	✓
Heat pump w/ auxiliary heat	✓		✓				
Heat pump w/o auxiliary heat	✓	✓	✓	✓			
Backlit display	✓	✓	✓	✓	✓	✓	
Programmable periods per day	4	4	4	4	3	6	4
Accurate temperature control	✓	✓	✓	✓	✓	✓	✓
Temperature override	✓	✓	✓	✓	✓	✓	✓
Touch screen	✓	✓					
Remote Sensor (optional)	✓	✓			✓	✓	

Residential & Commercial Thermostats

Programmable Residential Thermostats

TH8000 VisionPRO™ Touch-Screen Thermostat



Stunning deluxe thermostat in the Honeywell range. On-screen menu prompts and large screen. 7-Day programmable, touch screen. 1H/1C or 3H/2C. On/off function. Manual or auto changeover. Universal system compatibility, heating only or heating and cooling.

Dual power, battery or 24Vac hard wired. 5 year warranty.

Application	Stages	Temperature Range	Features	Part Number	Stock/ Indent
Conventional or Heat Pump systems	1 Heat & 1 Cool	Heat: 4.5-32°C Cool: 10-37°C	Auto or Manual Changeover. Battery or Hardwired Power	TH8110U1003/U	AUS
Conventional or Heat Pump systems	3 Heat & 2 Cool 2 Heat & 2 Cool (Heat pump systems)	Heat: 4.5-32°C Cool: 10-37°C	Auto or Manual Changeover. Battery or Hardwired Power	TH8320U1008/U	AUS
Conventional or Heat Pump systems	3 Heat & 2 Cool 2 Heat & 2 Cool (Heat pump systems)	Heat: 4.5-32°C Cool: 10-37°C	Auto or Manual Changeover. Battery or Hardwired Power. Dehumidification Control	TH8321U1006/U	I

TH6000 FocusPRO™ Thermostat



The FocusPRO™ 6000, 5-1-1 programmable thermostat is for those customers not requiring 7 day programming. 1H/1C or 2H/2C. Soft key interface and large screen. On/off function. Manual or auto changeover. Universal system compatibility, heating only or heating and cooling.

Dual power, battery or 24Vac hard wired. 5 year warranty.

Application	Stages	Temperature Range	Features	Part Number	Stock/ Indent
Conventional or Heat pump systems	1 Heat & 1 Cool	Heat: 4.5-32°C Cool: 10-37°C	Manual or Auto Changeover. Battery or Hard-wired Power	TH6110D1021/U	S
Conventional or Heat pump systems	2 Heat & 2 Cool 2 Heat & 1 Cool (Heat Pump systems)	Heat: 4.5-32°C Cool: 10-37°C	Manual or Auto Changeover. Battery or Hard-wired Power	TH6220D1028/U	AUS

CM907 Deluxe Line Voltage Thermostat



Heating or cooling digital programmable thermostat with slim modern design and large LCD backlit display. 7-day programmable with 6 periods/day. Battery powered. Off mode with integrated frost protection. Optional remote or outside air sensors.

Temp range: 5 - 35°C Potential free SPDT contacts. 24-240Vac: 8A (R), 3A (I)

Application	Stages	Temperature Range	Features	Part Number	Stock/ Indent
Underfloor or Conventional Heating Systems or Cooling Systems	1 Heat or 1 Cool	5 - 35°C	White Party, Holiday, Day Off Modes System switch: Auto-Manual-Off Remote Sensor	CMT907A1041	S
			Remote Sensor, with 5 metre Lead	CM90-RS5	I
			Remote Indoor Sensor	F42010972-001	I
			Remote Outdoor Sensor	F42010971-001	I

Residential & Commercial Thermostats

Programmable Residential Thermostats

CM707 Line Voltage Thermostat



Heating digital programmable thermostat with slim modern design and large LCD display. 7-day programmable with 4 periods/day. Battery powered. Off mode with integrated frost protection.

Temp range: 5 - 35°C Potential free SPDT contacts. 24-240Vac: 5A (R), 2A (I)

Application	Stages	Temperature Range	Features	Part Number	Stock/ Indent
Underfloor or Conventional Heating Systems	1 Heat	5 - 35°C	White Holiday mode System switch: Auto-Manual-Off	CMR707A1049	S

TL8130 LineVoltPRO™



One of the most advanced electric heating thermostats on the market. This 7-day programmable thermostat features easy set-up and a sophisticated design. The LineVoltPRO™ range of 230Vac thermostats combine accurate home heating control with a slim line modern style.

16.7A high current switching capacity. All models mount onto a standard wall flush box with an integral air sensor.

Application	Stages	Temperature Range	Features	Part Number	Stock/ Indent
Air only sensing	Heat only	5 - 30°C	Digital Display 7 day programmable, 3 periods/day	TL8130A1005	S
Air only, Air and floor, or floor only sensing	Heat only	5 - 30°C	Only available in Australia Digital Display 7 day programmable, 3 periods/day	TH115-AF-240S- I AUS	I
TH115-AF, TH114-AF, TH113-AF			3m floor sensor Only available in Australia	AC130-01	AUS

TH132 Underfloor Heating Thermostat



Ultra compact digital thermostat suitable for underfloor heating applications. 7-day programmable, 4 periods per day. Auto, manual or vacation operating modes. Floor probe included.

230Vac 15A ©

Application	Stages	Temperature Range	Features	Part Number	Stock/ Indent
Air control with floor limit	Heat only	5 - 30°C	Only available in New Zealand Digital display	TH132-AF-230	NZ
Floor only sensing	Heat only	5 - 30°C	Only available in New Zealand Digital display	TH132-F-230	NZ
TH132/TH131			Flush box adapter plate	AC130-12-P10	NZ
TH132/TH131			4.6m floor sensor	AC112-01	NZ

Residential & Commercial Thermostats

Programmable Commercial Thermostats

T7350 Electronic Thermostat



The T7350 commercial programmable thermostat controls 24 Vac commercial single zone HVAC equipment.

7-day programmable electronic thermostat, with 4 periods/day. Features Intelligent Fan; Intelligent Recovery. Used for heat pump or conventional applications with auto or manual changeover option.

Integral or Remote sensor. Optional discharge sensor and outdoor sensor. T7350D have optional Motion sensor.

Application	Stages	Comms	Features	Part Number	Stock/ Indent
Commercial - Conventional or Heatpump systems	1 Heat & 1 Cool	Non Lonworks	Premier White. Includes Subbase Aux Heat/ Econo Out	T7350A1004/U	I
Commercial - Conventional or Heatpump systems	2 Heat & 2 Cool	Non Lonworks	Premier White. Includes Subbase. Aux Heat/ Econo Out	T7350B1002/U	I
Commercial - Conventional or Heatpump systems	3 Heat & 3 Cool or 2 Heat & 2 Cool (heatpump)	Non Lonworks	Premier White. Includes Subbase. Aux Heat/ Econo Out. Internal Humidity Sensor	T7350D1008/U	I
Thermostat to PDA connection cable			Thermostat interface module.	50000083-001	I
Thermostat to PDA Infrared connection			Thermostat interface module. Infrared.	50014064-001	I

TB8000 Commercial VisionPRO™ Thermostat



The revolutionary Honeywell Commercial VisionPRO™ 8000 has features tailored specifically for commercial applications. Your customers will enjoy multiple lockout levels, configurable recovery ramps, holiday setback and more. Its sleek design, menu-driven programming, touchscreen display and other features make the Commercial VisionPRO 8000 the new industry favourite.

7 day programmable touchscreen electronic thermostat, with 4 periods/day. Used for heat pump or conventional applications with auto or manual changeover option. Optional remote or outdoor sensor. 24Vac hardwired or battery powered.

Application	Stages	Temperature Range	Features	Part Number	Stock/ Indent
Conventional or Heat pump systems	2 Heat & 2 Cool 3 Heat & 2 Cool (heat pump)	Heat 4.5°C to 32°C Cool 10°C to 37°C	Auto or manual changeover. Touch screen interface	TB8220U1003/U	S

TB7000 CommercialPRO™ Thermostat



The CommercialPRO™ 7000 programmable thermostat is an effortless, seven-day programmable thermostat that provides universal system compatibility, precise comfort control and is easy-to-program. Suitable for those customers who prefer a button interface and not touch-screen (see Commercial VisionPRO™ 8000).

7-day programmable electronic thermostat, with 4 periods/day. Used for heat pump or conventional applications with auto or manual changeover option. Optional remote or outdoor sensor. Can be set as non programmable thermostat. 24Vac hardwired or battery powered.

Application	Stages	Temperature Range	Features	Part Number	Stock/ Indent
Conventional or Heat-pump systems	2 Heat & 2 Cool 3 Heat & 2 Cool (heat pump)	Heat 4.5°C to 32°C Cool 10°C to 37°C	Auto or Manual Changeover. Non programmable option	TB7220U1012/U	AUS

Residential & Commercial Thermostats

Programmable Commercial Thermostats

PRO Thermostat Accessories



Remote indoor and outdoor sensors are available for the residential VisionPRO™ (TH8000 series) and the CommercialPRO™ (TB7000 & TB8000) thermostats.

Application	Sensing Element	Temperature Range	Features	Part Number	Stock/Indent
Outdoor Sensor	NTC 10k	-40 to 49°C	Mounting Clip included. Max length 200ft (60m).	C7089U1006/U	I
Indoor Sensor	NTC 10k	-18 to 37°C		C7189U1005/U	AUS

W72 Economizer Logic Module



Economiser Logic Module used to adjust the outdoor and return air dampers for control of free cooling in HVAC equipment. Operates from thermostat and CO2 sensor to provide a totally integrated control system. Can be used with TB7220 & TB8220 thermostats, C7632 CO2 sensors and with any Honeywell spring return modulating damper actuator.

Terminals included for switching between occupied and unoccupied operation. 24Vac.

System	Outputs	Mounting	Features	Part Number	Stock/Indent
Conventional Systems	2-10Vdc	On ductwork		W7212A1009	I
Heat Pump Systems	2-10Vdc	On ductwork	Used with heat pump B terminal	W7213A1008	I
Heat Pump Systems	2-10Vdc	On ductwork	Used with heat pump O terminal	W7214A1007	I

Non-Programmable Residential Thermostats

TH5000 FocusPRO™ Low-Voltage Thermostat



Non-programmable. 1H/1C or 2H/2C. Soft key interface, easy access batteries. On/off function. Manual or auto changeover. Universal system compatibility, heating only or heating and cooling.

Dual power, battery or 24Vac hard wired. 5 year warranty.

Application	Stages	Temperature Range	Features	Part Number	Stock/Indent
Conventional or heat pump systems	1 Heat & 1 Cool	Heat: 4.5-32°C Cool: 10-37°C	Manual or Auto Changeover Battery or Hardwired Power	TH5110D1022/U	AUS
Conventional or heat pump systems	2 Heat & 2 Cool 2 Heat & 1 Cool (heat pump systems)	Heat: 4.5-32°C Cool: 10-37°C	Manual or Auto Changeover Battery or Hardwired Power	TH5220D1029/U	AUS

Residential & Commercial Thermostats

Non-Programmable Residential Thermostats

DT200 Digital Line-Voltage Thermostat



The DT200 expands on the non-programmable, line-voltage range with a new digital thermostat. With a large clear display and a simple user interface, the DT200 has three buttons, set point raise and lower, plus an on/off function, making it perfect for those end users who want an attractive easy to use digital thermostat.

24Vac-240Vac: 8A (R) 3A (I)

Application	Stages	Temperature Range	Features	Part Number	Stock/ Indent
Conventional Heating Systems	1 Heat	5-35 °C	White Battery Powered On/Off Switch	T6620B1024	S

TL7135 LineVoltPRO™



Delivers the features that matter most in a digital, non-programmable thermostat. Precise comfort control, an easy to read back lit display and a contemporary design. The LineVoltPRO™ range of 240Vac thermostats combine accurate home heating control with a slim line modern style.

16.7A high current switching capacity. All models mount onto a standard wall flush box with an integral air sensor.

Application	Stages	Temperature Range	Features	Part Number	Stock/ Indent
Air only, air and floor, or floor only sensing	Heat only	5-30°C	Only available in Australia. Digital display Backlight button	TH114-AF-240S- AUS	I
Air only sensing	Heat only	5-30°C	Only available in New Zealand Digital display Backlight button	TL7135A1005	NZ
TH114/TH113			Only Available in Australia. 3m Floor Sensor	AC130-01	AUS

TL7130 LineVoltPRO™



The LineVoltPRO™ range of 240Vac thermostats combine accurate home heating control with a slim line modern style. Offers the simplicity and basic features of a conventional dial thermostat, with the precision and control of an electronic thermostat. A tamper proof version (TH116) is also available. Non-programmable.

240Vac 16.7A(R) high current switching capacity. All models mount onto a standard wall flush box with an integral air sensor.

Application	Stages	Temperature Range	Features	Part Number	Stock/ Indent
Air only, air and floor, or floor only sensing	Heat only	15-35°C	Only Available in Australia Setpoint limits	TH113-AF-240S- AUS	I
Air only sensing	Heat only	15-35°C	Only available in New Zealand Setpoint limits	TL7130A1006	NZ
Air only sensing	Heat only	15-35°C	Tamper Proof Model Setpoint limits	TH116-A-240S	NZ

Residential & Commercial Thermostats

Non-Programmable Residential Thermostats

TH131 Underfloor Heating Thermostat



Ultra compact thermostat suitable for underfloor heating applications. Floor probe included.

230Vac 15A(R)

Application	Stages	Temperature Range	Features	Part Number	Stock/ Indent
Air and floor sensing	Heat only	5-30°C	Only available in New Zealand	TH131-AF-230	NZ
Floor only sensing	Heat only	5-30°C	Only available in New Zealand	TH131-F-230	NZ
			Flush box adapter plate	AC130-12-P10	NZ

T87 - The Round®



In 1953, Honeywell introduced the T-86 Round® thermostat, which replaced chunky, rectangular models. One of the world's most recognizable designs, it remains in production today and adorns the walls of more households around the world than any other thermostat.

Now mercury free. 24Vac.

Application	Stages	Temperature Range	Features	Part Number	Stock/ Indent
Conventional Systems	Heat only	10-35°C	White Classic Styling Setpoint & room temperature display	T87K1015	I
Conventional air heat pump systems	1 Heat & 1 Cool	10-35°C	White System: Cool-Off-Heat. Fan: Auto-On.	T87N1018	I
Conventional Systems	1 Heat & 1 Cool	4.5-37°C	Digital Premier White. Hard Wired. Cool-Off-Heat. Fan Auto-On.	T8775C1005	I

Xe60 Line Voltage Thermostat



Line-voltage (240 Vac) non-programmable thermostats. Suitable for heat only, cool only and heat pump applications. With similar functionality, a modern look and significant savings in price, this series replace the older style T4060/T6060 and T6042 thermostats.

Vertical or horizontal mounting, on/off switch, indicator light, 240Vac.

Application	Current Rating	Temperature Range	Features	Part Number	Stock/ Indent
Heat or Cool	16A (R)	10 - 30°C	On/Off Switch	T4360G1006	S
Cool or Heat	10A (R) 3A (I)	10 - 30°C	On/Off Switch	T6360D1008	S
Heat Pump Systems (1H/1C)	10A (R) 3A(I)	10 - 30°C	Heat/Off/Cool Switch	T6360E1005	S
T4360/T6360			Tamper proof cover for dial	F42007110-001	S

Residential & Commercial Thermostats

Fan Coil Thermostats

Halo Digital Fan Coil Thermostat



Halo Digital fan coil thermostat. Slim modern design with large LCD blue backlit display. Features include run on/run off timer, setpoint limiting, button or room access key activated energy saving mode.

3 speed fan Temp range: 10 - 32°C
 Contact rating: Fan - 4A(R) 2A(I), Zone Valve - 2A(R) 1A(I) @ 220Vac 50Hz

Application	Stages	Voltage	Features	Part Number	Stock/ Indent
2 or 4 pipe fan coil	1 Heat and 1 Cool	220Vac 50Hz	White Blue backlit display Horizontal mounting	T6861H2WB	I
2 or 4 pipe fan coil	1 Heat and 1 Cool	220Vac 50Hz	White Blue backlit display Vertical mounting	T6861V2WB	I

Xe99 Line & Low Voltage Fan Coil Thermostat



Xe99 digital fan coil thermostat. Off-white in colour, incorporating up to 3 switches. Installer configurable with digital accuracy. Energy saving input, eg from EMS. Remote sensor models available.

Temp range: 10 - 30°C
 Contact rating: T657x: 3.8A(R) 3A(I) @ 240Vac; T857x: 3.8A(R) 3A(I) @ 24Vac

Application	Stages	Voltage	Features	Part Number	Stock/ Indent
2-pipe fan coil	1 Heat or 1 Cool	24Vac	On/off switch Fan 1-2-3 switch	T8574A1010	I
2-pipe fan coil	1 Heat or 1 Cool	24Vac	On/off Fan 1-2-3 & on/auto switches	T8574B1018	I
2 or 4-pipe fan coil	1 Heat & 1 Cool	24Vac	On/off switch Fan 1-2-3 switch Heat/Cool switch	T8575B1017	I
4-pipe fan coil	1 Heat & 1 Cool	24Vac	On/off switch Fan 1-2-3 switch Auto Changeover	T8575C1015	I
2-pipe fan coil	1 Heat or 1 Cool	240Vac	Basic version	T6570A2008	I
2-pipe fan coil	1 Heat or 1 Cool	240Vac	On/off switch	T6570B2006	I
2-pipe fan coil	1 Heat or 1 Cool	240Vac	On/Off switch Fan 1-2-3 switch	T6574A2004	I
2-pipe fan coil	1 Heat or 1 Cool	240Vac	On/Off Fan 1-2-3 & on/auto switches	T6574B2002	I
2-pipe fan coil	1 Heat or 1 Cool	240Vac	Remote Sensor	T6570A2016	I
2-pipe fan coil w/ Aux Heat	1 Heat or 1 Cool plus 1 Heat	240Vac	On/Off switch Fan 1-2-3 switch Heat/Cool switch	T6575A2003	I
2 or 4-pipe fan coil	1 Heat & 1 Cool	240Vac	On/Off switch Fan 1-2-3 switch Heat/Cool switch	T6575B2001	I
4-pipe fan coil	1 Heat & 1 Cool	240Vac	On/Off, Fan 1-2-3 switch Auto Changeover	T6575C2006	NZ
4-pipe fan coil	1 Heat & 1 Cool or 2 Heat or 2 Cool	240Vac	On/off switch Fan 1-2-3 switch Auto Changeover	T6576A2002	I
Heat pump	2 Heat & 1 Cool	240Vac	Fan 1-2-3 switch Off-On-Auto Heat/Cool switch Manual Changeover	T6576B2000- HWL	AUS

Residential & Commercial Thermostats

Fan Coil Thermostats

Xe70 Line Voltage Fan Coil Thermostat



Xe70 fan coil thermostat. White in colour, single piece design incorporating up to 3 switches. Dual diaphragm sensor, heat anticipator. Features a large temperature dial for easy operation.

Temp range: 10 - 30°C Contact rating @ 240Vac: 6A(R) 4A(I)

Application	Stages	Voltage	Features	Part Number	Stock/ Indent
4-pipe fan coil Auto Changeover	1 Heat & 1 Cool or 2 Heat or 2 Cool	240Vac	White Basic version	T6374C1004	AUS
4-pipe fan coil Auto Changeover	1 Heat & 1 Cool or 2 Heat or 2 Cool	240Vac	White On-Off	T6374C1012	AUS
4-pipe fan coil Auto Changeover	1 Heat & 1 Cool or 2 Heat or 2 Cool	240Vac	White Fan: 1-2-3 On-Off	T6375C1003	S
4-pipe fan coil Manual Changeover	1 Heat & 1 Cool	240Vac	Fan: 1-2-3 Heat-Cool On-Off	T6375B1013	I
4-pipe fan coil Manual Changeover	1 Heat & 1 Cool	240Vac	Fan: 1-2-3 Heat-Cool On-Off	T6375B1021	I
Heat Pump Systems	1 Heat & 1 Cool	240Vac	Heat-Off-Cool Fan: Auto-Cont	T6376B1004	AUS
Heat Pump Systems	1 Heat & 1 Cool	240Vac	Heat-Off-Cool Fan: Auto-Cont Fan: 1-2-3	T6377B1011	I
XE 70/90, T4360/6360			Range Stops Bag of 20	F42006646-001	I
XE 70/90, T4360/6360			Replacement Dial	R42006961-001	AUS

Low Voltage To Line Voltage Interfaces

R4611G Interface Module



Interface module (Australian made) that allows use of 24Vac thermostats with 240Vac air-conditioning units. Relays rated 5A@240Vac

Application	Stages	24Vac Input/Output	240Vac Input/Output	Part Number	Stock/ Indent
For use with 24Vac thermostats on 240Vac systems	Up to 4 Stages. Conv: 1H/1C Heat Pump: 1H/1C with Aux heat	R, C, G, B/O, Y/Y1, W2/Y2	N, A, Fan, Rev Valve, Comp1, Aux Heat/Comp2	R4611G1000	AUS

Residential & Commercial Thermostats

Thermostat Guards

TG500 Series Thermostat Guards

Thermostat guards enclose and protect thermostats against tampering, damage and unauthorised adjustment of settings. Three sizes to suit almost all thermostats.



Size	Internal Dimensions	Guard Covers	Features	Part Number	Stock/Indent
			Replacement key	191990A	I
Small	H 89mm W 89mm D 64mm	Clear acrylic	Lockable	TG510A1001	AUS
Small	H 89mm W 89mm D 64mm	Opaque polystyrene	Lockable	TG510B1009	I
Medium	H 105mm W 130mm D 75mm	Clear acrylic	Lockable	TG511A1000	AUS
Medium	H 105mm W 130mm D 75mm	Opaque polystyrene	Lockable	TG511B1008	I
Large	H 124mm W 187mm D 86mm	Clear acrylic	Lockable	TG512A1009	S
Large	H 124mm W 187mm D 86mm	Opaque polystyrene	Lockable	TG512B1007	I

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Zoning Solutions

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Zoning Solutions

Home Comfort Control

Hometronic Home Manager



For complete home comfort control of heating, lights and appliances Hometronic is the answer. Applications include electric under floor heating, hydronic heating and lighting. This modular system can control from 1 to 16 rooms of heating. It utilises wireless RF technology for ease of installation. The manager panel is simple to use and provides a separate time/temperature program for each room. Lights and garden sprinklers etc. can also be time controlled. Lifestyle buttons allow for quick changes to special settings such as party or vacation modes.

Hometronic is the affordable complete home comfort control system. More information can be found at www.hometronic.com.

Only available in New Zealand.

Description	Specifications	Range	Features	Part Number	Stock/ Indent
Home Manager	Temperature control of 1-16 rooms Power - 12Vac and Batteries 32 optional modules can be attached	0 to 50 °C	Individual room programs. Programmable lifestyle buttons. Manual control option. Economy setback option 433 and 868.3 MHz	HCM200D-UK	I

Hometronic Modules

Hometronic modules include home manager panel, room sensor, light dimmer and general-purpose switch module.

Only available in New Zealand.



Description	Specifications	Range	Features	Part Number	Stock/ Indent
Room Sensor	Battery powered	-12 to 12 Deviation adjustment from HCM200D-UK setpoint	Wireless Adjustable limit stops	HCW82	I
Room Sensor	Battery powered	No adjustment	Wireless	HCF82	I
Remote Relay	10A SPDT 230Vac required		Controls heating/cooling loads, household and garden appliances as programmed in HCM200D-UK. Wireless communication from HCM200D-UK. Local manual control option	HS30	I
Light Dimmer	60 -300 W of lighting 230Vac required		Suitable for all bulbs, halogen lamps with resistive or inductive loads. Wireless communication from HCM200D-UK	HD30	I
Security Gateway	12Vac - use HTU10 transformer		For remote connection of home alarm systems. Requires switch output contacts in 3rd party alarm system. Wireless communication from HCM200D-UK	HX10	I
Transformer	12Vac		Compact. No mounting lugs	HTU10	I

Zoning Solutions

Home Comfort Control

Hometronic Zoning Modules

The Hometronic system has modules for underfloor heating.

Only available in New Zealand.



Description	Specifications	Range	Features	Part Number	Stock/ Indent
Zone Controller	230Vac required		For underfloor heating (868.3 MHz). Controls 5 zones. For room temperature setpoint setting without time program use the HCW82 wall module. If time programs required use the HCM200D-UK.	HCE80R	I
Expansion module for 3 additional zones	Plugs into HCE80 PC board		Expands HCE80 from 5 to 8 zones	HCS80	I
Active Antenna			Active antenna for HCE80R	HRA80	I
Radiator Valve Actuator	Battery powered Fits on most types of Radiator valves		Switching times and room temperature setpoints set by HCM200D-UK. Wireless communication from HCM200D-UK	HR80	I
Manifold Actuator	230Vac Normally closed.	90N	Includes mounting clip and M30 x 1.5 adapter	MT4-230-NC	NZ

Zoning & Temperature Control

TotalZone® Zoning System



TotalZone® is a zoning system for residential and light commercial applications using conventional or heat pump split ducted air conditioning systems. Loaded with options and flexibility that lets you design a solution to please your customers.

A thermostat in each zone controls the temperature of each individual zone. One TotalZone® panel can control up to 4 zones and can be expanded up to 32 zones using Add-A-Zone Panels. The TotalZone® panel controls conventional or heat pump units with up to 3 stages of heating and 2 stages of cooling.

TotalZone® can be used with any 24Vac conventional or heat pump thermostat, however maximum energy savings and comfort are achieved when this system is used with Honeywell programmable thermostats.

Zones	Application	Part Number	Stock/ Indent
1-4	For use with Conventional or Heat pump split ducted systems with up to 3 heat and 2 cooling stages	TZ-4	I
Extra 4 per panel	For use with the TZ-4 panel to expand the number of zones to be controlled	TAZ-4	I

Zoning & Temperature Control

TotalZone® Accessories

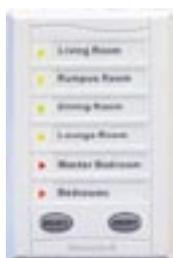


For use with the TotalZone® System there are a range of Honeywell accessories to choose from. Use one of Honeywell's 24Vac thermostats, such as the FocusPRO™ 5000, FocusPRO™ 6000, VisionPRO™ 8000 or one of the mechanical thermostats. Choose one of Honeywell's 24Vac Zone Damper Motors, such as the M847B1014 (2 position, spring return) the DA0211A (floating, bi-directional) or the ML6161B2024B (floating, non spring return).

Description	Application	Part Number	Stock/Indent
Voltage Interface	When using TotalZone® on a 240Vac system, an interface is required. This interface is capable of converting up to 5 signals	R4611G1000	AUS
Sensor	Duct air temperature sensor DATS to protect the equipment against high and low temperatures.	C7735A1000	I
Outdoor Sensor	For conventional or dual fuel systems, it is essential to use an outdoor sensor. It improves the performance any system	C7089B1000	I
Zone Thermostat	Any Honeywell 24Vac thermostat can be used to control each zone. Refer to TotalZone® specification sheet for exact details	Refer to Low Voltage Thermostat Section	-
Zone Damper Motor	Most 24Vac Zone Damper motors, in either drive-open spring-return, drive-open drive-closed, or spring-open drive-closed configuration can be used	Refer to Actuator Section for Damper motors	-

Manual Zoning

Control Zone Manual Zoning System



Manual Zoning system, up to 6 configurable zones with easy to install plug in components and high quality 24Vac actuators. Ready to install with pre-terminated cables of varying lengths which connect the actuators to the controller board. Comes with 24 Vac bi-directional zone motor - DA0211C

Complete manual zoning system for heating and/or cooling systems. Low voltage plug-in components with number of zones configurable from 2-6 zones. Compatible with most systems.

Description	Length	Features	Part Number	Stock/Indent
Main Control Board		24Vac power supply included	W8765A1008	I
Wall Module		Includes 12m cable	R8765A1005	I
Zone cable	2m	Connects DA0211C motor to control board	Q8765A1006	I
Zone cable	5m	Connects DA0211C motor to control board	Q8765A1014	I
Zone cable	10m	Connects DA0211C motor to control board	Q8765A1022	I
Zone Extension cable	5m	Connects DA0211C motor to control board	Q8765E1007	I
24Vac Zone Motor		Terminated with plug to connect to zone cables	DA0211C	AUS

Indoor Air Quality

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Electronic Air Cleaners

F52G Ducted Electronic Air Cleaner



High efficiency, electronic air cleaner for residential applications. Mounts as return air duct of forced air heating, cooling and ventilation systems. Removes airborne particles such as; dust, soot, pollen, bacteria, viruses, tobacco and cooking smoke, from the air circulated through it.

Mounting	Application	Airflow Max (l/s)	Features	Part Number	Stock/ Indent
Return Air Grille	Residential Systems	472	Electronic Cell FC37B1030/U. Single Cell 508 x 318 mm	F52G1012	I

F58G Ducted Electronic Air Cleaner



High efficiency, electronic air cleaner for commercial applications. Mounts in return air plenum of forced air heating, cooling and ventilating systems. Removes airborne particles such as; dust, soot, pollen, bacteria, viruses, tobacco and cooking smoke, from the air circulated through it.

Mounting	Application	Airflow Max (l/s)	Feature	Part Number	Stock/ Indent
Return Air Plenum	Commercial Large systems	944	Commercial Electronic Cell. FC37A1064 Front Loading. BMS Compatible. Two Cell 508 x 635 mm.	F58G1016	AUS

Self-Contained Electronic Air Cleaners

F92C Electronic Air Cleaner



Ceiling/wall mounted electronic air cleaners with slim-line design ideal for pubs, clubs, cafes, restaurants and other catering establishments. Three speed fan with infra red or wall mounted remote control. Carbon filter included for removal of odours. Adjustable louvres for exit of clean air in one direction only. Room size capacity 100m³.

Mounting	Application	Airflow Max (m ³ /Hr)	Features	Part Number	Stock/ Indent
Wall or Ceiling	Residential or Light Commercial	Low: 230 Med: 350 High: 500	Infra Red Remote. 3-Speed Fan. Off-White	F92C3027	I
Wall or Ceiling	Residential or Light Commercial	Low: 230 Med: 350 High: 501	Infra Red Remote. 3-Speed Fan. Anthracite	F92C3035	I

F57 Commercial Electronic Air Cleaners



Ceiling mounted electronic air cleaner for offices, conference rooms, restaurants, lounges and other commercial applications. Removes airborne contaminants from the air circulated through the unit. Self-contained with three speed drive propeller fan. 240Vac 50hz. Fits T-Bar Suspension Ceiling. Airflows all include SSPI Output.

Mounting	Application	Airflow Max (m ³ /Hr)	Feature	Part Number	Stock/ Indent
Flush Mount	Commercial	Low: 1080 Med: 1240 High: 1487	Optional Carbon Filter # 195911 Remote Control Two Cell	F57A1101RC	AUS
Flush Mount	Commercial	Low: 440 Med: 637 High: 782	Optional Carbon Filter # 198672 Remote Control Single Cell	F57B1075RC	I

Self-Contained Electronic Air Cleaners

F90A Commercial Electronic Air Cleaner



Ceiling mounted, electronic air cleaner for offices, conference rooms, restaurants, lounges and other commercial applications. Removes airborne contaminants from the air circulated through the unit. Self-contained with three speed drive propeller fan. 240Vac 50hz. Airflows all include SSPI Output.

Mounting	Application	Airflow Max. (m3/Hr)	Feature	Part Number	Stock/ Indent
Ceiling Mount	Commercial	Low: 1359 Med: 1733 High: 2124	Optional Carbon Filter # 202614 x 2. Transition Plate # 272577A. Remote Control. Grey Colour. Two Cell.	F90A1290RC	AUS

Indoor Air Cleaner - Spares & Accessories

Filters and Prefilters

Replacement filters for use in Honeywell air cleaners.



Description	Application	Part Number	Stock/ Indent
Prefilter	F57A	195910	AUS
Prefilter	F90, F52G	202289	AUS
Prefilter	F57B	198571	I
Prefilter (Pack of 1)	F90C	R42009224-001	I
Prefilter (Pack of 5)	F90C, F92C	R42009224-002	I
Carbon Filter	F57A	195911	AUS
Carbon Filter	F57B	198672	I
Carbon Filter	F58G, F90, F52G	202614	AUS
Carbon Filter	F90C, F92C	R42009225-001	AUS
Prefilter	F58G	32003891-001	I

Replacement Cells and Ioniser Wires



Electronic filter cells and ioniser wires for use in Honeywell air cleaners (FC37B1030 shown).

Description	Application	Part Number	Stock/ Indent
Electronic Filter Cell	F90C, F92C	FC37A1015	I
Electronic Filter Cell (508 x 635)	F57, F58G, F52G and F90A	FC37B1030	AUS
Ioniser Wires (Pack of 5)	20" Cell	136434AA	AUS
Ioniser Wires (Pack of 5)	16" Cell	136434BA	I

Indoor Air Cleaner - Spares & Accessories

Fans, Motors and Power Supplies



Fans, motors and power supplies for use with Honeywell air cleaners (F90A, B Commercial Electronic Air Cleaner shown).

Description	Application	Part Number	Stock/Indent
Fan	F57A	196205	I
Fan	F57B	220393	I
Fan	F90A, B	202280	I
Motor	F57A	196216A	AUS
Motor	F57B	200813TA	I
Motor (w/o mount. plate or grom.)	F90A, B	202278C-T	I
Power Supply	F58G	208416AG	I
Power Pack	F90C, F92C	R42009287-001	I
Power Supply	F57, F90A, F52G	42009287AP	I

Controllers and Assemblies



Remote transmitters, transition plates, performance indicators and other controllers and assemblies for use with Honeywell air cleaners (F58G image shown).

Description	Application	Part Number	Stock/Indent
IR remote transmitter & receiver	F57 and F90	YH00125	AUS
Transition Plate Assembly	F90	272577A	I
Speed Control PCB (3 Speed)	F90C, F92C	R42009252-001	I
Infra Red Handset (3 Speed)	F90C, F92C	R42008703-003	AUS
Hard wired remote control assembly	F57 and F90	190097B	I
Hard Wired Remote Controller (3 Speed)	F90C	R42009567-001	I
Terminal Board Assembly	F58G	32003893-001	I

Indoor Air Quality

Indoor Air Cleaner - Spares & Accessories

Switches and Accessories

Interlock switches and brackets, electronic cell handles and building management interface boards for use with Honeywell air cleaners (F52G image shown).



Description	Application	Part Number	Stock/ Indent
Interlock Switch	F57	196227	I
Interlock Switch	F58G	196277	I
Building Managment Interface Board (On/Check)	F58G	32003890-001	I
Building Manag. Interface Board (On/Chk/Wash)	F58G	32003890-002	I
Interlock Switch	F92C	R42010423-001	I
Interlock Switch	F52G	8217-L	I

Ventilation Systems

MV250 Ventilation Systems



The MV250/350 fresh air cleaning systems combine Honeywell high efficiency air cleaning technology and intelligent whole building ventilation systems to protect people from unhealthy indoor pollutants, excess moisture and harmful chemicals through whole building air filtration, pretreated fresh air supply and stale air exhaust. It is widely applicable to residential buildings, commercial buildings, hospitals and public entertainment places with IAQ problems. 240Vac 50Hz.

Mounting	Filters	Capacity	Features	Part Number	Stock/ Indent
Suspension ceiling or wall mount	HEPA + Carbon Optional TiO2	250 m3/h (153 W) - Fan Hi	3 speed fan control Programmable 1-12 hr timing function 75mm piping	MV250A2001	I

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Water Control Solutions

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Pressure Reducing Valves

D06F - Pressure Reducing Valve Standard Pattern



Pressure reducing valve can protect water installations against excessive pressure from the supply; can be used for residential or commercial applications.

Media: Water, compressed air and nitrogen. Body Material: Brass, de-zincification resistant.
 Static Pressure: PN25 Pressure setpoint range: 150 - 600 kPa.
 Outlet pressure set by turning adjustment knob.

WATERMARK PENDING AS AT FEB 2008 for 'dark filter bowl' pressure reducing valves. All other pressure reducing valves not for use in potable water applications.

DN	Kvs	End Connections	Features	Part Number	Stock/Indent
15	2.4	Male - Threaded	Dark filter bowl Max media temp: 40°C	D06F-1/2ZHZAU	I
20	3.1	Male - Threaded	Dark filter bowl Max media temp: 40°C	D06F-3/4ZHZAU	I
25	5.8	Male - Threaded	Dark filter bowl Max media temp: 40°C	D06F-1ZHZAU	I
32	5.9	Male - Threaded	Dark filter bowl Max media temp: 40°C	D06F-11/4ZHZAU	I
40	12.6	Male - Threaded	Dark filter bowl Max media temp: 40°C	D06F-11/2ZHZAU	I
50	12	Male - Threaded	Dark filter bowl Max media temp: 40°C	D06F-2ZHZAU	I
15	2.4	Male - Threaded	Clear filter bowl Max media temp: 40°C	D06F-1/2A	I
20	3.1	Male - Threaded	Clear filter bowl Max media temp: 40°C	D06F-3/4A	I
25	5.8	Male - Threaded	Clear filter bowl Max media temp: 40°C	D06F-1A	I
32	5.9	Male - Threaded	Clear filter bowl Max media temp: 40°C	D06F-11/4A	I
40	12.6	Male - Threaded	Clear filter bowl Max media temp: 40°C	D06F-11/2A	I
50	12	Male - Threaded	Clear filter bowl Max media temp: 40°C	D06F-2A	I
15	2.4	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06F-1/2B	I
20	3.1	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06F-3/4B	I
25	5.8	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06F-1B	I
32	5.9	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06F-11/4B	I
40	12.6	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06F-11/2B	I
50	12	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06F-2B	I

Pressure Reducing Valves

D06FH - Pressure Reducing Valve High Pressure Pattern



Pressure reducing valves can protect water installations against excessive pressure from the supply; can be used for industrial or commercial applications.

Media: Water, compressed air and nitrogen. Body Material: Brass, de-zincification resistant.
Static Pressure: PN25. Pressure setpoint range: 150 - 1200 kPa.
Outlet pressure set by turning adjustment knob.

Not for use in potable water applications.

DN	Kvs	End Connections	Features	Part Number	Stock/ Indent
15	2.4	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06FH-1/2B	I
20	3.1	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06FH-3/4B	I
25	7.6	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06FH-1B	I
32	9.1	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06FH-11/4B	I
40	12.6	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06FH-11/2B	I
50	12	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06FH-2B	I

D06FN - Pressure Reducing Valve Low Pressure Pattern



Pressure reducing valves can protect water installations against excessive pressure from the supply; can be used for industrial or commercial applications.

Media: Water, compressed air and nitrogen. Body Material: Brass, de-zincification resistant.
Static Pressure: PN25. Pressure setpoint range: 50 - 200 kPa.
Outlet pressure set by turning adjustment knob.

Not for use in potable water applications.

DN	Kvs	End Connections	Features	Part Number	Stock/ Indent
15	2.4	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06FN-1/2B	I
20	3.1	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06FN-3/4B	I
25	7.6	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06FN-1B	I
32	9.1	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06FN-11/4B	I
40	12.6	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06FN-11/2B	I
50	12	Male - Threaded	Brass filter bowl Max media temp: 70°C	D06FN-2B	I

Pressure Reducing Valves

D06FI - Pressure Reducing Valve Stainless Steel

Pressure reducing valve can protect water installations against excessive pressure from the supply; can be used for industrial or commercial applications.

Media: Water, compressed air and nitrogen. Body Material: Stainless Steel.
 Static Pressure: PN25 Pressure setpoint range: 150 - 600 kPa.
 Outlet pressure set by turning adjustment knob.

Not for use in potable water applications.

DN	Kvs	End Connections	Features	Part Number	Stock/Indent
15	2.4	Male - Threaded	Stainless steel filter bowl Max media temp: 70°C	D06FI-1/2B	I
20	3.1	Male - Threaded	Stainless steel filter bowl Max media temp: 70°C	D06FI-3/4B	I
25	5.8	Male - Threaded	Stainless steel filter bowl Max media temp: 70°C	D06FI-1B	I
32	5.9	Male - Threaded	Stainless steel filter bowl Max media temp: 70°C	D06FI-11/4B	I
40	12.6	Male - Threaded	Stainless steel filter bowl Max media temp: 70°C	D06FI-11/2B	I
50	12.0	Male - Threaded	Stainless steel filter bowl Max media temp: 70°C	D06FI-2B	I

D06 Accessories

Accessories are available for the entire range of D06 pressure reducing valves (for use with D06F, D06FN and D06FH).

Application	Description	Size	Features	Part Number	Stock/Indent
D06F, D06FN, D06FH & D06FI	Pressure Gauge	0-4 bar (0-400 kPa)	With housing, diameter 63mm	M07M-A4	I
D06F, D06FN, D06FH & D06FI	Pressure Gauge	0-10 bar (0-1000 kPa)	With housing, diameter 63mm	M07M-A10	I
D06F, D06FN, D06FH & D06FI	Pressure Gauge	0-16 bar (0-1600 kPa)	With housing, diameter 63mm	M07M-A16	I
D06F, D06FN, D06FH & D06FI	Pressure Gauge	0-25 bar (0-2500 kPa)	With housing, diameter 63mm	M07M-A25	I
D06F, D06FN, D06FH & D06FI	Double ring wrench		For removal of spring bonnet and filter bowl	ZR06K	I

Pressure Reducing Valves

D06 Spare Parts

A wide range of spare parts are available for the D06 range of pressure reducing valves.

Application	Description	Size	Features	Part Number	Stock/ Indent
D06F & D06FH	Valve Insert	For sizes 1/2 & 3/4	Without filter	D06FA-1/2	I
D06F	Valve Insert	For sizes 1 & 1 1/4	Without filter	D06FA-1B	I
D06FN	Valve Insert	For sizes 1/2 & 3/4	Without filter	D06FNA-1/2	I
D06FN	Valve Insert	For sizes 1 & 1 1/4	Without filter	D06FNA-1	I
D06F, D06FN, D06FH & D06FI	Replacement - Filter Insert	For sizes 1/2 & 3/4		ES06F-1/2A	I
D06FH & D06FN	Replacement - Filter Insert	For sizes 1 & 1 1/4		ES06F-1A	I
D06F & D06FI	Replacement - Filter Insert	For sizes 1 & 1 1/4		ES06F-1B	I
D06F, D06FN, D06FH & D06FI	Replacement - Filter Insert	For sizes 1 1/2 & 1 1/4	With O-ring	ES06F-11/2A	I
D06F	Clear Filter Bowl	For sizes 1/2 & 3/4	With O-ring	SK06T-1/2	I
D06F	Clear Filter Bowl	For sizes 1 & 1 1/4	With O-ring	SK06T-1B	I

D22 Pressure Reducing Valve - Compressed Air



Pressure reducing valves can protect installations against excessive pressure from the supply. They can be used for industrial or commercial applications.

Media: Compressed air, non toxic and non flammable gases. Body Material: Brass.
 Static Pressure: PN40. Pressure setpoint range: 100 - 1000 kPa.
 Outlet pressure set by turning adjustment knob.

DN	End Connections	Features	Part Number	Stock/ Indent
8	Internal Thread	Max Media temp: 70°C	D22-1/4A	I
10	Internal Thread	Max Media temp: 70°C	D22-3/8A	I
15	Internal Thread	Max Media temp: 70°C	D22-1/2A	I
20	Internal Thread	Max Media temp: 70°C	D22-3/4A	I
25	Internal Thread	Max Media temp: 70°C	D22-1A	I
32	Internal Thread	Max Media temp: 70°C	D22-11/4A	I
40	Internal Thread	Max Media temp: 70°C	D22-11/2A	I
50	Internal Thread	Max Media temp: 70°C	D22-2A	I

Safety Valves

TM200VP - Thermostatic Mixing Valve



TM200VP thermostatic mixing valves provide control of the water temperature and are used for localised control adjacent to point of use outlets.

Features include highly sensitive thermal element for good water temperature sensing, anti scald protection and simple setting of the required water temperature.

WATERMARK PENDING AS AT FEB 2008.

DN	Hot Water Maximum Inlet Temperature	Setting Range	Part Number	Stock/Indent
15mm	90°C	35 - 55°C	TM200VP-3/4-EZAU	I
22mm	90°C	35 - 55°C	TM200VP-3/4-HZAU	I

Filling Valves

VF06 - For Closed Heating Systems



The VF06 filling valve permits simple and safe filling or refilling of a closed heating system. The VF06 consists of a pressure reducing valve, a check valve and a shutoff facility combined into the one unit.

Operating Temperature 70°C.

Not for use in potable applications.

DN	Inlet Pressure	Outlet Pressure	End Connections	Part Number	Stock/Indent
15	Maximum 1600kP	50 to 300 kPa	External thread With hose union connector	VF06-1/2A	I
15	Maximum 1600kP	50 to 300 kPa	External thread With threaded union connector	VF06-1/2B	I

NK295S - Refilling Combination



The NK295S refilling combination provides automatic filling and refilling for closed heating systems. The unit combines a ball valve up and downstream, complete backflow preventer with discharge connection, integrated strainer, pressure reducing valve and manometer

Installation position: horizontal pipework with discharge connection directed downwards.

PN10. Max media temperature 65°C.

Liquid Category -3 (Slightly Toxic material)

WATERMARK PENDING AS AT FEB 2008.

Size	Setpoint	Media	End Connections	Part Number	Stock/Indent
1/2"	150 - 600 kPa	Water	External thread	NK295S-1/2A	I

Filters and Filter Combinations

F76S Reverse Rinsing Fine Filter



F76S reverse rinsing filters ensure a continuous supply of filtered water. The fine filter prevents the ingress of foreign bodies, for example rust particles and grains of sand.

Media: Water. Body Material: Brass, de-zincification resistant.
Static Pressure: PN16. Mounting Position: Horizontal. External thread end connections.

Not for use in potable water applications.

Size (mm)	Kvs	Filter Size	Features	Part Number	Stock/ Indent
15	7.2	100 micron	Transparent strainer chamber. Max media temp: 40°C	F76S-1/2AA	I
20	9.6	100 micron	Transparent strainer chamber. Max media temp: 40°C	F76S-3/4AA	I
25	16.1	100 micron	Transparent strainer chamber. Max media temp: 40°C	F76S-1AA	I
32	17.4	100 micron	Transparent strainer chamber. Max media temp: 40°C	F76S-11/4AA	I
40	22.4	100 micron	Transparent strainer chamber. Max media temp: 40°C	F76S-11/2AA	I
50	25.7	100 micron	Transparent strainer chamber. Max media temp: 40°C	F76S-2AA	I
15	7.2	20 micron	Transparent strainer chamber. Max media temp: 40°C	F76S-1/2AB	I
20	9.6	20 micron	Transparent strainer chamber. Max media temp: 40°C	F76S-3/4AB	I
25	16.1	20 micron	Transparent strainer chamber. Max media temp: 40°C	F76S-1AB	I
32	17.4	20 micron	Transparent strainer chamber. Max media temp: 40°C	F76S-11/4AB	I
40	22.4	20 micron	Transparent strainer chamber. Max media temp: 40°C	F76S-11/2AB	I
50	25.7	20 micron	Transparent strainer chamber. Max media temp: 40°C	F76S-2AB	I

F76S Filter Spare Parts

A wide range of spare parts are available including Filter Inserts, Filter Bowls and Automatic Reverse Rinsing Indicators.

Description	Size	Features	Part Number	Stock/ Indent
Filter Insert	Filter: 20 micron	For 1/2 to 1 1/4 filters	AF11S-1B	I
Filter Insert	Filter: 50 micron	For 1/2 to 1 1/4 filters	AF11S-1C	I
Filter Insert	Filter: 100 micron	For 1/2 to 1 1/4 filters	AF11S-1A	I
Filter Insert	Filter: 200 micron	For 1/2 to 1 1/4 filters	AF11S-1D	I
Filter Insert	Filter: 300 micron	For 1/2 to 1 1/4 filters	AF11S-1E	I
Filter Insert	Filter: 500 micron	For 1/2 to 1 1/4 filters	AF11S-1F	I
Filter Bowl	For 1 1/2 - 2	Clear	KF11S-11/2A	I
Automatic reverse rinsing actuator	230V 50/60Hz 10W	IP55 with electrical plug	Z11S-A	I
Automatic reverse rinsing actuator	24V 50/60Hz	IP55 with electrical plug	Z11S-B	I

Filters and Filter Combinations

FF06 Mini-Plus Rinseable Fine Filters



FF06 rinsing filters ensure a continuous supply of filtered water. The fine filter stops the flow of particulates, for example rust particles and grains of sand. Compact in size, these filters are designed to fit where space is limited.

Media: Water. Body Material: Brass, de-zincification resistant.
Static Pressure: PN16. Mounting Position: Horizontal.

Not for use in potable water applications.

Size (mm)	Kv	Filter	Features	Part Number	Stock/ Indent
15	3.3	100 micron	External thread end connections. Transparent strainer chamber. Max media temp: 40°C	FF06-1/2AA	I
20	6.2	100 micron	External thread end connections. Transparent strainer chamber. Max media temp: 40°C	FF06-3/4AA	I
25	7.2	100 micron	External thread end connections. Transparent strainer chamber. Max media temp: 40°C	FF06-1AA	I
32	8.5	100 micron	External thread end connections. Transparent strainer chamber. Max media temp: 40°C	FF06-11/4AA	I
			Double ring wrench for removing of filter bowl.	ZR06F	I

HS10S Combination Water Supply Units



HS10S combination water supply units integrate a non-return valve with test point, reverse rinsing fine filter, pressure reducing valve and shut-off valve in one appliance. They ensure a continuous supply of filtered water.

Media: Water. Body Material: Brass, de-zincification resistant. Spring Bonnet Material: synthetic material.
Pressure Setpoint Range: 150 - 600 kPa. Static Pressure: PN16. External thread end connections.

Not for use in potable water applications.

DN	Kv	Filter	Features	Part Number	Stock/ Indent
15	2.7	200 micron	Transparent strainer chamber. Max media temp: 40°C	HS10S-1/2AD	I
20	3.2	200 micron	Transparent strainer chamber. Max media temp: 40°C	HS10S-3/4AD	I
25	8	200 micron	Transparent strainer chamber. Max media temp: 40°C	HS10S-1AD	I
32	10	200 micron	Transparent strainer chamber. Max media temp: 40°C	HS10S-11/4AD	I
40	12.6	200 micron	Transparent strainer chamber. Max media temp: 40°C	HS10S-11/2AD	I
50	13	200 micron	Transparent strainer chamber. Max media temp: 40°C	HS10S-2AD	I

Radiator Thermostats

T100MZ Radiator Thermostats



The T100MZ radiator thermostat consists of a thermostatic radiator valve head with a remote liquid-filled sensing element and setting unit. Suitable for all Honeywell thermostatic radiator valve bodies. For use in warm water heating systems.

Body Head Connection	Range	Sensor	Features	Part Number	Stock/ Indent
M30 x 1.5	16 to 24 °C	Remote - 5m	White Temp Scale: 1 to 5.	T100MZ-2515	I

T100R/T100RS Radiator Thermostats



T100R/T100RS Radiator Thermostats consists of a thermostatic radiator valve head with a remote sensing element. Suitable for all Honeywell thermostatic radiator valve bodies. For use in hot water storage tanks and heat exchangers.

Body Head Connection	Range	Sensor	Features	Part Number	Stock/ Indent
M30 x 1.5	10 to 50°C	Remote - 2m. Includes immersion pocket for sensor.	White. Temperature Scale: 1 to 12.	T100R-AA	I
M30 x 1.5	30 to 70°C	Remote - 2m. Includes immersion pocket for sensor.	White. Temperature Scale: 1 to 12.	T100R-AB	I
M30 x 1.5	10 to 50°C	Remote - 2m 1/2" Screw-in sensor	White. Temperature Scale: 1 to 12.	T100RS-DA	I
M30 x 1.5	30 to 70°C	Remote - 2m 1/2" Screw-in sensor	White. Temperature Scale: 1 to 12.	T100RS-DB	I

T7500 Radiator Thermostats



The T7500 consists of a thermostatic radiator valve head for water and air with a remote sensing element. It has concealed limiting and blocking of setpoint range. Suitable for all Honeywell thermostatic radiator valve bodies.

For use in water based heating systems and boiler applications: on the supply of air heaters; as mixer control for underfloor heating; and for hot water storage tanks or heat exchangers.

Body Head Connections	Range	Sensor	Features	Part Number	Stock/ Indent
M30 x 1.5	20 to 70°C	Remote - 2m	White. Temp Scale: 2 to 7. Supplied with memory clip.	T750120H	I

Radiator Thermostats

T9000 Thera-2 Radiator Thermostats



The T9000 series consists of a thermostatic radiator valve head with internal or remote sensing. It has concealed limiting and blocking of setpoint range. Suitable for all Honeywell thermostatic radiator valve bodies. For use in warm water heating systems.

Body Head Connections	Range	Sensor	Features	Part Number	Stock/Indent
M30 x 1.5	6 to 26°C	Internal - wax filled	White. Temp Scale: 1 to 5 Zero Position	T9002W0	I
M30 x 1.5	6 to 28°C	Remote - 5m Liquid filled	White. Temp Scale: 1 to 5	T900150	I

Thermostatic Valves

V2000BB Radiator Valves - Broad Band Type Cartridge



Low noise thermostatic radiator valve body with broad band (BB) type valve cartridge. For water based heating systems. Body Materials: Nickel plated red bronze or hot forged brass.

Insert Materials: Brass, stainless steel spindle. Static Pressure: PN10.
Max Delta Pressure: 100kPa. Closing Dimension: 11.5mm.
Stroke: 2.5mm. Media: Water. Media Temperature: 2 to 130°C.

Not for use in potable water applications.

DN	Body Pattern	Kvs	Body End Connection	Part Number	Stock/Indent
10	Angle to DIN	0.62	M30 x 1.5	V2000EBB10	I
15	Angle to DIN	0.62	M30 x 1.5	V2000EBB15	I
20	Angle to DIN	0.62	M30 x 1.5	V2000EBB20	I
10	Straight to DIN	0.62	M30 x 1.5	V2000DBB10	I
15	Straight to DIN	0.62	M30 x 1.5	V2000DBB15	I
20	Straight to DIN	0.62	M30 x 1.5	V2000DBB20	I

Thermostatic Valves

V2000UB Radiator Valves - Universal Band Type Cartridge



Low noise thermostatic radiator valve body with universal band (UBG) type valve cartridge. For water based heating systems.

End Connections: Internal thread. Body Materials: Nickel plated red bronze or hot forged brass.
 Insert Materials: Brass, stainless steel spindle. Static Pressure: PN10.
 Max Delta Pressure: 100kPa. Closing Dimension: 11.5mm.
 Stroke: 2.5mm. Media: Water. Media Temperature: 2 to 130°C

Not for use in potable water applications.

DN	Body Pattern	Kvs	Features	Part Number	Stock/Indent
10	Angle to DIN	1.7		V2000EUB10	I
15	Angle to DIN	1.85		V2000EUB15	I
20	Angle to DIN	1.95		V2000EUB20	I
10	Straight to DIN	1.7		V2000DUB10	I
15	Straight to DIN	1.85		V2000DUB15	I
20	Straight to DIN	1.95		V2000DUB20	I
15	Double Angle Left	1.0		V2000LUB15	I

V100 M Radiator Valves



Low noise thermostatic radiator valve body. For water based heating systems.

End Connections: Internal and external BSP threads. Body Materials: Nickel plated red bronze.
 Insert Materials: Brass, stainless steel spindle. Static Pressure: PN10. Max Delta Pressure: 100kPa.
 Closing Dimension: 11.5mm. Stroke: 2.5mm. Media: Water. Media Temperature: 2 to 130°C

Not for use in potable water applications.

DN	Body Pattern	Kvs	Part Number	Stock/Indent
10	Straight to DIN	1.7	V100MD-3/8A	I
15	Straight to DIN	1.85	V100MD-1/2A	I
20	Straight to DIN	1.95	V100MD-3/4A	I
10	Angle to DIN	1.7	V100ME-3/8A	I
15	Angle to DIN	1.85	V100ME-1/2A	I
20	Angle to DIN	1.95	V100ME-3/4A	I

Lockshield Valves

V2400 Verafix Radiator Lockshield Valves



Pre-settable radiator lockshield valve for the return with shut-off function. Optional flow direction. Supports draining and filling. For water based heating systems.

Body Materials: Nickel plated red bronze. Insert - Brass with EPDM O-rings
Media: Water. Media Temperature: 2 to 130°C. Static Pressure: PN10.

DN	Body Pattern	Kvs	Part Number	Stock/ Indent
10	Angle to DIN	1.7	V2400E0010	I
15	Angle to DIN	1.7	V2400E0015	I
20	Angle to DIN	1.7	V2400E0020	I
10	Straight to DIN	1.4	V2400D0010	I
15	Straight to DIN	1.45	V2400D0015	I
20	Straight to DIN	1.5	V2400D0020	I

Thermoelectric Actuators

Smart-T MT4 Thermo-electric Actuator



Thermo-electric actuator for zone control. To be used with Honeywell radiator valves.

Stem Force: 90N. Cable length: 1m. Effective Stroke: 2.5mm for Honeywell Valves.
Maximum Stroke: 4mm. Actuator supplied with mounting clip and M30x1.5 adapter.

Voltage and Power	Control	Power Loss Action	Features	Part Number	Stock/ Indent
24Vac/dc 3VA	2 pt	Stem Extends	Run-time 3 minutes	MT4-024-NC	I
24Vac/dc 3VA	2 pt	Stem Retracts	Run-time 3 minutes	MT4-024-NO	I
240Vac 3VA	2 pt	Stem Extends	Run-time 3 minutes	MT4-230-NC	NZ
240Vac 3VA	2 pt	Stem Retracts	Run-time 3 minutes	MT4-230-NO	I

Smart-T MT8 Thermoelectric Actuators



Thermoelectric actuator for zone control. To be used with Honeywell radiator valves.

Stem Force: 90N. Cable length: 1m. Effective Stroke: 6.5mm for Honeywell Valves.
Maximum Stroke: 8mm. Actuator supplied with mounting clip and M30x1.5 adapter.

Voltage and Power	Control	Power Loss Action	Features	Part Number	Stock/ Indent
24Vac/dc 3VA	2 pt	Stem Extends	Runtime 5 minutes	MT8-024-NC	I
24Vac/dc 3VA	2 pt	Stem Retracts	Runtime 5 minutes	MT8-024-NO	I
240Vac 3VA	2 pt	Stem Extends	Runtime 5 minutes	MT8-230-NC	I
240Vac 3VA	2 pt	Stem Retracts	Runtime 5 minutes	MT8-230-NO	I

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Commercial/Industrial Combustion Controls

Flame Safeguard Products

7800 Series Relay Modules



The EC/RM7800 Series is a microprocessor based burner programmer suitable for all types of flame detection systems. The burner programmer is of modular design and can be upgraded with various communication options. All relay modules require a sub base, flame amplifier and purge card. EC=230Vac. RM=120Vac.

Burner Type	PrePurge	PostPurge	Flame Establishment	Part Number	Stock/Indent
Atmospheric	Determind by ST7800 Purge timer card	5 Sec	Pilot 5/10sec.Main 5/8sec or Intermittent	EC7810A1027	I
Atmospheric with fan	Determind by ST7800 Purge timer card	5 Sec	Pilot 5/10sec. Main 5/8sec or Intermittent	EC7820A1034	I
On/Off Controlled power burner	Determind by ST7800 Purge timer card	2 Sec	Pilot 3/5sec. Main 3/5sec or Intermittent	EC7830A1033	I
Full Modulation power burner	Determind by ST7800 Purge timer card	15 Sec	Pilot 3/5sec. Main 3/5 sec or Intermittent	EC7850A1122	AUS
On/Off Controlled power burner	Determind by ST7800 Purge timer card	2 Sec	Pilot 3/5sec. Main 3/5sec or Intermittent	RM7830A1003	I
Full Modulation power burner	Determind by ST7800 Purge timer card	15 Sec	Pilot 3/5sec. Main 3/5sec or Intermittent	RM7850A1019	I

7800 Series Miscellaneous



A brief selection of products used in conjunction with the 7800 relay modules. For more information contact Combustion Technical Support

Product	Feature	Part Number	Stock/Indent
Subbase	Panel Mount	Q7800A1005	AUS
Subbase	Burner Wall Mount	Q7800A1003	I
Purge Card	Timming 2 Sec	ST7800A1005	I
Purge Card	Timming 30 Sec	ST7800A1039	AUS
Purge Card	Timming 30 Minutes	ST7900A1146	I
Flame Amplifier	0.8 Sec FFRT.Used with Flame Rod	R7847A1025	I
Flame Amplifier	2 Sec FFRT. Amplicheck. Used with C7027, C7035	R7849A1023	I
Flame Amplifier	2 Sec FFRT. Dynamic Self Check. Used with C7061A,F	R7861A1026	AUS
Keyboard Display Module	Provides current status of burner sequence, modbus communications,lockout information etc.	S7800A1001	AUS

Flame Safeguard Products

ControlLinks



Controlinks is a fuel air ratio control system. It is used on modulating burners to monitor the firing rate input signal and position the fuel and air actuators according to a commissioned profile and maintain the relative programmed positions

Product	Electrical Ratings	Spec 3	Feature	Part Number	Stock/ Indent
Configuration Display Device			Up to 99 burner systems connected via modbus can be monitored	S7999B1000	AUS
Fuel Air Ratio Controller	100 to 240 Vac		Microprocessor-based technology to control up to four actuators	R7999A1005	I
Wiring Subbase	100 to 240 Vac		Fuel air ratio controller wiring sub base	Q7999A1006	AUS
Universal Parallel-Positioning Actuator	15VA; 100 to 240Vac		Provides 100lb-in torque, pulse width-modulating(PWM) control of butterfly, modulation valves & FGR systems	ML7999A2001	AUS
Universal Direct Coupled Actuator	15VA; 100 to 240Vac		Provides 100lb torque, 4-20 mA control input to control combustion air dampers and modulation valves	ML7999B1002	I
Configuration Software			For commissioning and monitoring burner systems	ZM7999A1006	I

UV Flame Detectors and Sensing Tubes



A selection of our UV flame detectors and replacement sensing tubes. For more information and products contact Combustion Technical Support

Product	Electrical Rating	NEMA Rating	Feature	Part Number	Stock/ Indent
Solid State Purple Peeper	120Vac	NEMA 4	Mounting 3/4" NPT	C7012A1145	I
Solid State Purple Peeper	240Vac	NEMA 4	Mounting 3/4" NPT	C7012A1194	I
Mini Peeper		NEMA 3 & 4	Mounts on 1" sighting tube using integral collar	C7035A1023	AUS
Dynamic Self-Check UVFlame Detector	120 or 230Vac	NEMA 4	Mounting 3/4"NPT	C7061A1020	AUS
Adjustable Sensitivity UV Flame Detector	120Vac		Mounting 1" NPT Dynamic self checking	C7076A1007	I
UV Sensing Tube			Used with C7012, C7024	113228	AUS
UV Power Tube			Used with C7035 (0 to 250F)	129464M	AUS
UV Power tube			Used with C7061, C7035 (-40 to 250F)	129464N	I
UV power Tube			Used with C7076	191053	AUS

Flame Safeguard Products

Flame Rods and Flame Rod holders



The small size of these devices enable their application to flame detection in installations where space is limited. The holder and flame rod assemblies facilitate flame proving on burners which are controlled by electronic flame safeguard systems

Details	Feature	Part Number	Stock/ Indent
Flame Rod and Holder	Flame rod and holder, 6" flame rod. 1/4" NPT male mounting.	C7008A1000	I
Flame Rod and Holder	Flame rod and holder, 12" flame rod. 1/4" NPT male mounting.	C7008A1018	I
Flame Rod	Kanthal flame rod. 6" Insertion.	105478A/U	I
Flame Rod	Kanthal flame rod for. 12" Insertion.	105478B	I

R4343 Flame Switch and Accessories



The R4343 flame detector relay is essentially a flame switch which can be used in association with UV or rectification flame sensors to signal the presence or absence of a flame

Product	Supply Voltage	Response Time	Feature	Part Number	Stock/ Indent
Flame Switch	220Vac	2 Seconds	"D" Can be used with flame rod or C7012G flame detector	R4343D1017	I
Flame Switch	220Vac	2 Seconds	"E" Can be used with UV flame detectors C7027, C7035, C7044	R4343E1014	AUS
Subbase			Wall Mount	CPQ643B1005	AUS

R4348 Flame Switch and Accessories



R4348 flame switches are for application in large Industrial/Commercial burner installations where they can be used as simple flame switches (R4348A) indicating the presence or absence of a flame, or as flame safeguard controls (R4348B) capable of providing system - safe-start, check and flame sensing functions. Below is a selection of suitable amplifiers. For more information contact Combustion Technical Support

Product	Electrical Rating	Feature	Part Number	Stock/ Indent
Flame Switch	Can Operate on 110Vac, 120Vac, 220Vac, 240Vac	Standard Model	R4348B1008	I
Flame Switch	Can Operate on 110Vac, 120Vac, 220Vac, 240Vac	4-20mA output and LED flame current meter	R4348B1057	AUS
Subbase		Wall Mounted. Match to appropriate terminals for required supply voltage	46176612-501	AUS
Amplifier		UV, dynamic self check. FFRT 1sec max	R7061A1008	I
Amplifier		Infrared, not self checking. FFRT 2-4 secs	R7248A1004	I
Amplifier		Rectification, dynamic self check. FFRT 2sec max	R7247B1037	I
Amplifier		UV, self checking. FFRT 2sec max	R7476A1015	I

Flame Safeguard Products

Flame Switch EC7823A and Accessories



Microprocessor-based integrated flame switch for detecting a flame using rectification, ultraviolet (UV) or infrared (IR) source. Provides level of safety, functional capability and features beyond conventional controls. Use with flame signal amplifiers R7847, R7848, R7849, R7851, R7861 or R7886

Product	Voltage	Feature	Part Number	Stock/ Indent
Flame Switch	220-240Vac (+10, -15%)	2 SPDT outputs. Three LED's to indicate power, flame and alarm	EC7823A1004	AUS
Subbase		Panel Mount	Q7800A1005	AUS
Subbase		Burner/Wall Mount	Q7800A1003	AUS

Pressure Switch (Ind)

C6097



The C6097 pressure switch is used to detect the pressure of gas or air. The switch performs the ON/OFF control of the external electrical circuit in accordance with the set point. This switch can be widely used to detect the upper limit or lower limit pressure of the gas or air to be supplied to a gas combustion system, or detect the clogging of the interlock filter of a burner blower

Operating Pressure range	switching Action	Switching Operation	Part Number	Stock/ Indent
0.10 - 1.25 Kpa 0.4 - 5 " Wc	Break on pressure fall	Auto-recycle	C6097A1004	AUS
0.7 - 5.2 Kpa 3 - 21" Wc	Break on pressure fall	Manual Reset	C6097A1012	AUS
3.0 - 15 Kpa 12 - 60" Wc	Break on pressure fall	Manual Reset	C6097A1038	AUS
0.7 - 5.2 Kpa 3 - 21" Wc	Break on pressure fall	Auto-recycle	C6097A1053	I
0.1 - 1 Kpa 0.4 - 4" Wc	Break on pressure fall	Auto-recycle	C6097A2110	I
0.25 - 5 Kpa 1 - 20.1" Wc	Break on pressure fall	Auto-recycle	C6097A2210	AUS
3 - 15 Kpa 12 - 60" Wc	Break on pressure fall	Auto-recycle	C6097A2310	AUS
10 - 50 Kpa 40 - 200" Wc	Break on pressure fall	Auto-recycle	C6097A2410	I
0.7 - 5.2 Kpa 3 - 21" Wc	Break on pressure rise	Manual Reset	C6097B1028	AUS
3.0 - 15 Kpa 12 - 60" Wc	Break on pressure rise	Auto-recycle	C6097B1085	AUS
0.7 - 5.2 Kpa 3 - 21" Wc	Break on pressure rise	Auto-recycle	C6097B1119	AUS

Commercial/Industrial Combustion Controls

Pressure Limit Controllers

L404F Pressuretrol Controllers



L404F Pressuretrol controllers provide operating control with automatic limit protection for pressure systems of up to 2070Kpa or 300psi. Mounting 1/4" NPT Internal thread or surface mount through back of case. Switch operation Auto recycle

Operating Pressure Range	Pressure Differential (subtractive)	Maximum Sustained Operating Pressure	Feature	Part Number	Stock/ Indent
14 - 103 Kpa 2 - 15 Psi	15 - 40 Kpa 2 - 6 psi	345 Kpa 25 psi	SPDT snap action, make R-W, break R-B on pressure rise.	L404F1060	I
35 - 345 Kpa 5 - 50 psi	40 - 100 Kpa 6 - 14 psi	586 Kpa 85 psi	SPDT snap action, make R-W, break R-B on pressure rise.	L404F1078	AUS
138 - 2068 Kpa 20 - 300 psi	140 - 345 Kpa 20 - 50 psi	2413 Kpa 350 psi	SPDT snap action, make R-W, break R-B on pressure rise.	L404F1094	AUS
69 - 1034 Kpa 10 - 150 psi	70 - 150 Kpa 10 - 22 psi	1551Kpa 225 psi	SPDT snap action, make R-W, break R-B on pressure rise.	L404F1102	AUS
69 - 1034 Kpa 10 - 150 psi	70 - 150 Kpa 10 - 22 psi	1551Kpa 225 psi	SPDT snap action, make R-W, break R-B on pressure rise. BSPT ground screw and European Enclosure	L404F1227	I
35 - 350 Kpa 5-50 psi	40 - 100 Kpa 6 - 14 psi	590 Kpa 85 psi	SPDT snap action, make R-W, break R-B on pressure rise. Includes ground screw	L404F1375/U	I
70 - 1035 Kpa 10 - 150 psi	70 - 150 Kpa 10 - 22 psi	1550 Kpa 225 psi	SPDT snap action, make R-W, break R-B on pressure rise. Includes ground screw	L404F1383/U	I
140 - 2070 Kpa 20 - 300 psi	140 - 345 Kpa 20 - 50 psi	2410 Kpa 350 psi	SPDT snap action, make R-W, break R-B on pressure rise. Includes ground screw	L404F1391	I

L91 Proportional Pressuretrol Controllers



Modulating pressure operating control for regulation of liquid, air and other non-corrosive gases. Mounting: optional surface mount or through back of case. Pipe connection 1/4" NPT external thread

Operating Pressure	Pressure Differential (Additive)	Max Sustained Operating Pressure	Features	Part Number	Stock/ Indent
69 - 2068 Kpa 10 - 300 psi	83 Kpa 12 psi	2241 Kpa 325 psi	Single pot 140 ohms.	L91A1078	I
0 - 103 Kpa 0 - 15 psi	10 - 83 Kpa 1.5 - 12 psi	172 Kpa 25psi	Single pot 140 ohms	L91B1035	I
34 - 1034 Kpa 5 - 150 psi	35 - 160 Kpa 5 -23 psi	1551 Kpa 225 psi	Single pot 140 ohms	L91B1050	AUS
69 - 2068 Kpa 10 - 300 psi	193 - 758 Kpa 28 -110 psi	2241 Kpa 325 psi	Single pot 140 ohms.	L91B1068	AUS
69 - 2068 Kpa 10 - 300 psi	85 - 330 Kpa 12 - 48 psi	2241 Kpa 325 psi	Single pot 140 ohms.	L91B1241	I
69 - 2068 Kpa 10 - 300 psi	193 - 758 Kpa 28 - 110 psi	2241 Kpa 325 psi	Dual pot 140 ohms.	L91D1049	I

Industrial Gas Valves

V5055



Safety shutoff valves used with V4055, V4062 and V9055 fluid power actuators to control gas flow to commercial and industrial burners

Pipe Size	Pipe Thread	Capacity	Description	Part Number	Stock/ Indent
1-1/2"	NPT	1717cf/hr 48.6 m3/hr	Industrial gas valve with On-Off safety shut off	V5055A1020/U	I
2"	NPT	3620cf/hr 102.5 m3/hr	Industrial gas valve with On-Off safety shut off	V5055A1038/U	I
4"	Flanged	9180cf/hr 259.9 m3/hr	Industrial gas valve with characterized guide	V5055B1150	I
1 inch	BSP (PL)	960cf/hr 27.2 m3/hr	Industrial gas valve with characterized guide	V5055B1168	I
1-1/2 inch	BSP (PL)	1717cf/hr 48.6 m3/hr	Industrial gas valve with characterized guide. CE approvals	V5055B1184	I
2 inch	BSP (PL)	3620cf/hr 102.5 m3/h	Industrial gas valve with characterized guide. CE approvals	V5055B1192	I
2-1/2	BSP (PL)	4250cf/hr 120 m3/hr	Industrial gas valve with characterized guide	V5055B1200	I
1-1/2 inch	NPT	1717cf/hr 48.6 m3/hr	High pressure industrial gas valve with On-Off safety shut off	V5055D1024/U	I
2 inch	NPT	3620cf/hr 102.5 m3/hr	High pressure industrial gas valve with On-Off safety shut off	V5055D1032	I
3 inch	NPT	5230cf/hr	High pressure industrial gas valve with On-Off safety shut off	V5055D1057	I

V5055 Accessories



V5055 replacement seal assembly and bonnet assembly. Seal assembly includes, Valve Seal - Bonnet Seal and Tube of Lubricant. Bonnet Assembly includes, Complete Bonnet Assembly plus the required Seal Assembly. This is a brief selection of our bonnet assemblies. For other options contact Combustion Technical support.

Valve	Bonnet / Seal Assembly	Valve Size	Part Number	Stock/ Indent
V5055A On-Off	Bonett	2", 2-1/2", 3"	133417AA	I
V5055A On-Off	Bonett	4"	136911AA	I
V5055B Characterized guide	Bonett	3/4", 1", 1-1/4"	133398BA	I
V5055B Characterized guide	Bonett	2", 2-1/2", 3"	133417BA	I
V5055C Valve closed indicator	Bonett	2", 2-1/2", 3"	133417CA	I
V5055D High pressure On-Off	Bonett	2", 2-1/2", 3"	136307AA	I
V5055E Valve closed indicator	Bonett	2", 2-1/2", 3"	136307BA	I
All	Seal	3/4", 1", 1-1/4", 1-1/2"	133393A	I
All	Seal	2", 2-1/2", 3"	133392A	I
All	Seal	4"	137253A	I

Commercial/Industrial Combustion Controls

Gas Valve Actuators

V4055 On-Off Fluid Power Actuator



The V4055 gas valve actuator in combination with the V5055 gas valve controls the gas supply to commercial and industrial burners. Use where smooth light off is important, one second maximum closing time, always displays the valve position when open a red indicator appears, when closed yellow indicator appears.

Electrical Ratings	Opening Timing	Max Operating Pressure	Damper Shaft	Part Number	Stock/Indent
120Vac	26 seconds	34.5 Kpa 5 psi	No	V4055A1007/U	I
110 Vac 120 Vac	13 seconds	34.5 Kpa 5 psi	No	V4055A1031	I
120 Vac	13 seconds	103.4 / 172.4 Kpa. 15 / 25psi	Yes	V4055B1039	I
120 Vac	13 seconds	34.5 Kpa 5 psi	No	V4055D1035	I

V4062 Off-Lo-Hi Fluid Power Gas Valve Actuators



The V4062 when power is applied opens the V5055 to the low fire position, the valve then moves to fully open on demand

Electrical Ratings	Opening Timing	Maximum Operating Pressure	Damper Shaft	Part Number	Stock/Indent
240 Vac	16 Seconds	34.5 Kpa 5 psi	Yes	V4062A1107	I
120 Vac	13 Seconds	34.5 Kpa 5 psi	Yes	V4062A1131	I

V9055 Modulating Fluid Power Gas Valve Actuators



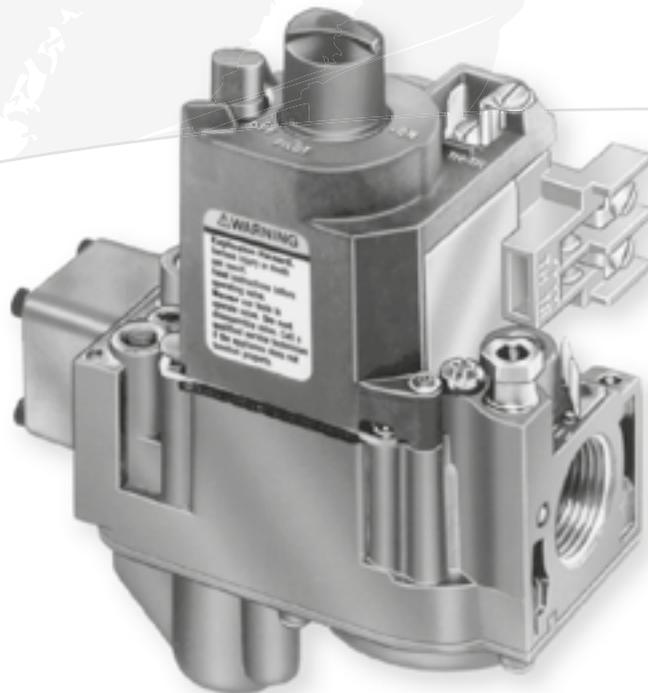
The V9055 gas valve actuator in combination with a V5055 gas valve provides modulating control of the gas supply to commercial and industrial burners

Electrical Ratings	Opening Timing	Maximum Operating Pressure	Damper Shaft	Part Number	Stock/Indent
120 Vac	26 Seconds	34.5 Kpa 5 psi	Yes	V9055A1055	I
240 Vac	32 Seconds	34.5 Kpa 5 psi	Yes	V9055A1105	I

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Residential Combustion Controls

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Residential Combustion Controls

Low Voltage Gas Valves

VR8200 Gas Valve



Low capacity (20-200cf/h. 0.56-5.6cm/h) combination gas control, 24Vac 50/60hz regulated main gas (adjustable pilot). Valves for standing pilot, intermittent pilot and direct ignition.

In/Outlet Size	Ignition Type	Reg setting	Features	Part Number	Stock/ Indent
1/2" x 1/2"	Standing pilot dual solenoid	3.5" WC (0.87 KPA) NG	Standard Opening	VR8200A2827B	I
1/2" x 1/2"	Intermittent pilot dual solenoid	3.5" WC (0.87KPA) NG	Standard Opening	VR8204A2803B	I
1/2" x 1/2"	Intermittent pilot dual solenoid	3.5" WC (0.87KPA) NG	Slow Opening	VR8204M2503	I
1/2" x 1/2"	Direct Ignition	3.5" WC (0.87KPA) NG	Standard Opening	VR8205A2800B	I
1/2" x 1/2"	Direct Ignition	3.5" WC (0.87KPA) NG	Slow Opening	VR8205S2882B	I

VR8200 Accessories

This is a sample selection of our accessories. For more information contact Combustion Technical Support



Part	Details	Part Number	Stock/ Indent
Conversion Kit	NG > LPG	393691	AUS
Conversion Kit	LPG > NG	394588	I
Energy Cut Off	ECO Connector	393200-1	I
Flange	3/4" Straight	393690-4	I
Flange	3/4" Elbow	393690-5	I
Flange	1/2" Straight	393690-6	I
Flange	1/2" Elbow	393690-3	I

VR8300 Gas Valve



Medium capacity(30-300cf/h. 0.85-8.5cm/h) Combination Gas Control. 24V 50/60hz regulated main gas (adjustable pilot) valves for standing pilot, intermittent pilot and direct ignition.

In/Outlet Size	Ignition Type	Reg Setting	Features	Part Number	Stock/ Indent
3/4" x 3/4"	Standing pilot dual solenoid	3.5" WC (0.87KPA) NG	Standard Opening	VR8300A4805B	AUS
3/4" x 3/4"	Standing pilot dual solenoid	3.5" WC (0.87KPA) NG	Slow Opening	VR8300H4808B	I
3/4" x 3/4"	Direct Ignition dual solenoid	3.5" WC (0.87KPA) NG	Standard Opening	VR8301A4878	I
3/4" x 3/4"	Intermittent pilot dual solenoid	3.5" WC (0.87KPA) NG	Slow Opening	VR8304H4800B	I
3/4" x 3/4"	Intermittent pilot dual solenoid	3.5" WC (0.87KPA) NG	Standard Opening	VR8304M4804B	AUS
3/4" x 3/4"	Direct Ignition dual solenoid	3.5" WC (0.87KPA) NG	Standard Opening	VR8305M4801B	I
3/4"x 3/4"	Direct Ignition dual solenoid	3.5" WC (0.87KPA) NG	Step Opening	VR8305P4857B	I

Residential Combustion Controls

Low Voltage Gas Valves

VR8300 Accessories

This is a sample selection of our accessories. For more information contact Combustion Technical Support



Part	Details	Part Number	Stock/ Indent
Conversion Kit	NG > LPG	393691	I
Conversion Kit	LPG > NG	394588	I
Energy Cut Off	ECO Connector	393200-1	I
Flange	3/4" Straight	393690-4	I
Flange	3/4" Elbow	393690-5	I
Flange	1/2" Straight	393690-6	I
Flange	1/2 Elbow	393690-3	I

Combination Gas Controls

V800 Low Voltage - Combination Gas Control



Single block combination gas valves for standing pilot applications. Use V804 operators and V530xx regulators. 24Vac. Eco's available (Part No: 392490-2).

Note: For Thermopile Versions, refer to VS820 Controls.

In/Outlet Size	Gas Type	Reg setting	Part Number	Stock/ Indent
1/2" x 3/4"	NG or LPG	3.5" WC (0.87Kpa) Adjustable	V800A1088	I
3/4" x 3/4"	NG only	3.5" WC (0.87Kpa)	V800A1179	I

V800 Accessories

This is a brief selection of our accessories. For more information contact Combustion Technical Support



Product	Details	Part Number	Stock/ Indent
Conversion Kit	LPG > NG	391936	I
Conversion Kit	NG > LPG	391937	AUS
Energy Cut Off	ECO Connector	392451-1	I

VS820 Millivolt Combination Gas Valve



Combination gas valve. Convertible Hi/Lo pressure regulator. A 750mV thermopile (Q313) is required

In/Outlet Size	Regulator Range WC	Regulator Range Kpa	Features	Part Number	Stock/ Indent
3/4" x 3/4"	3.5" WC NG Only	0.87Kpa	Standing Pilot	VS820A1054	AUS
3/4" x 3/4"	0.9"WC / 3.5" WC	0.2Kpa - 0.87Kpa	Standing Pilot Step Opening	VS820C1100	I

Residential Combustion Controls

Combination Gas Controls

VK Series - Compact Valve



Gas control for combined valve and ignition system(CVI), developed for gas fired appliances with either intermittent pilot or direct burner ignition. Designed to work directly with S4565/75/85 series ignition controllers. Combined system provides programmed safe light up, flame supervision and gas flow regulation. Note that ignition modules are ordered seperately.

In/Outlet Size	Valve Action	Gas Type	Regulator	Part Number	Stock/ Indent
1/2" x 1/2"	Fast opening	NG Only	2-37mbar (0.2-3.7Kpa) pressure regulator. Direct Ignition	VK4105A1035	I
1/2" 1/2"	Softlite	NG Only	5-50 mbar (0.5-5Kpa) pressure regulator. Direct Ignition	VK4105C1090	I
1/2" 1/2"	Fast opening 2 Stage	NG Only	Factory set 9 mbar / 37 mbar (0.9-3.7Kpa) Adjustable	VK4105P2029	I
1/2" x 1/2"	Fast opening	NG Only	Integrated 1:10 Gas/Air ratio Module	VK4105R1003	I
1/2" x 1/2"	Fast opening	LPG Only	Integrated 1:25 Gas/Air ratio Module	VK4105R1037	I
1/2" x 1/2"	Standard opening regulator	NG Only	Integrated 1:1 Gas/Air pressure	VK4115V1069	I
1/2" 1/2"	Fast opening	NG Only	2-37 mbar (0.2-3.7Kpa) pressure regulator. Direct burner ignition.	VK8105A1007	I
1/2" 1/2"	Fast opening	NG Only	Integrated 1:5 Gas/Air ratio module.	VK8105R1009	I
1/2" 1/2"	Fast opening	LPG Only	Integrated 1:25 Gas/Air ratio module.	VK8105R1017	I
1/2" 1/2"	Fast opening	NG Only	Integrated 1:1 Gas/Air pressure regulator.	VK8115V1002	I

Ignition Controls VK Series(only)

Dedicated ignition control for VK series gas valves. Provides an optimised safety sub-system for programmed safe light up and flame supervision of the main burner of the appliance.



Application	Safety Time	Lock-out	Feature	Part Number	Stock/ Indent
Direct Burner Ignition	Yes	Volatile	Atmospheric. Flame Relay. Dual Spark	S4565QD1038	I
Direct Burner Ignition	Yes	Volatile	Fan Assisted	S4565R1014	I
Direct Burner Ignition	Yes	Volatile	Fan Assisted	S4565R1030	I

Residential Combustion Controls

Compact Gas Valves

VR8600 Gas Valve



European, compact, automatic combination gas control which performs all the functions required to safely regulate gas flow to the pilot burner and the main burner of; domestic central heating equipment, warm air furnaces, back boilers and water heaters. Redundant intermittent pilot, direct ignition valves and various regulator options available. 24Vac operation.

In/Outlet Size	Regulator	Features	Part Number	Stock/ Indent
1/2" x 1/2"	Fast opening with modulating operator (V7336xx)	NG	VR8601M2005B	I
1/2" x 1/2"	Fast opening with modulating operator (V7336xx)	LPG	VR8601M2013B	I
1/2" x 1/2"	Fast opening with 2 stage regulator (V8336A)	NG	VR8601P2002B	I

VR8600 Accessories



This is just a selection of our accessories for this range of valves. For more details contact Combustion Technical support

Product	Details	Part Number	Stock/ Indent
Pilot Solenoid	220/240 Volt	45900406-004	I
Pilot Solenoid	24 Volt	45900406-005	I
Modureg	For VR8601M2005B	V7335A2224	I
Modureg	For VR8601M2013B	V73352257	
2 Stage Regulator	For VR8601P2002B	V8336A2213	

V4600 Compact Gas Valve



European; Compact combination gas valves, comprise a pilotstat, operator and pressure regulator. Standing pilot application. Low voltage versions(24 Volt) also available. Uses V404 operator and V5306 regulator

In/Outlet Size	Opening	Regulator	Features	Part Number	Stock/ Indent
1/2" x 1/2"	5 mbar (0.5Kpa) softlite	2.5-20mbar 0.25-2Kpa	NG Only	V4600C1029B	I
1/2" x 1/2"	10 mbar (1Kpa) softlite	5-50mbar 0.5-5Kpa	LPG Only	V4600C1037	AUS
23mm x 23mm	5 mbar (0.5Kpa) softlite	2.5-20mbar 0.25-2Kpa	NG Only	V4600C1128	I

Residential Combustion Controls

Compact Gas Valves

V4600 Accessories



This is just a selection of our accessories for this range of valves. For more information contact Combustion Technical support

Product	Details	Feature	Part Number	Stock/Indent
Operator	240 Volt	Black	V404A1154	I
Operator	24 Volt	Blue	V404A1098	I
Energy Cut Off		ECO with tabs	45002776-012	I
Energy Cut Off		ECO with cables	45002994-001	I
Energy Cut Off		ECO Spade connector set	45900404-001	I

V4400 Compact Gas Valve



Higher capacity European single block standing pilot valve with two push button pilot stat section. Uses V404 operator and V5306xx Regulator with various European options. 240Vac/50Hz. Low voltage options also available(24V)

In/Outlet Size	Regulator	Features	Part Number	Stock/Indent
3/4" x 3/4"	Fast opening	NG Only	V4400A1090B	AUS
3/4" x 3/4"	Slow opening	NG Only	V4400C1211B	I

V4400 Accessories



This is a sample selection of our accessories. For more information contact Combustion Technical Support

Product	Feature	Part Number	Stock/Indent
Regulator	Regulator for V4400A1090B	V5306E1002	I
Power Unit	Magnet Unit 30MV	45002776-012	I
Energy Cut Off	ECO with tabs	45002173 - 001	I
Energy Cut Off	ECO with cables	45002994 - 001	I
Energy Cut Off	ECO spade connector set	45900404 - 001	I

SmartValve™ System

SV 9600 SmartValve™ System



Combines gas flow control & electronic intermittent pilot sequencing functions into a single unit. Suitable for a wide range of gas-fired appliances including furnaces, roof-top furnaces, boilers, unit heaters, infrared heaters, space heaters and commercial cooking units.

In/Outlet Size	Ignition Type	Features	Part Number	Stock/Indent
3/4" x 3/4"	Intermittent Pilot	Regulator: Slow Opening	SV9605H1004B	AUS

Residential Combustion Controls

SmartValve™ System

SmartValve™ Pilot Assembly

Pilot assembly complete with Norton Ignitor, Sensor, Leads and Plug for SmartValve™.



Tip Style	Bracket	Tip Direction	Cable Length	Part Number	Stock/ Indent
Single	B	Right Hand	450mm	Q3450B3001B	I
Single	C	Left Hand	450mm	Q3450C1003B	I
Single	C	Left Hand	600mm	Q3450C1169B	AUS

SmartValve™ Accessories



Product	Feature	Part Number	Stock/ Indent
Conversion Kit	NG - LPG	393691	AUS
Conversion Kit	LPG - NG	394588	I

Gas Valve Accessories

Operators



Details	Part Number	Stock/ Indent
240V/50Hz Operator for V400/VR46/V44 family	V404A1154	I
24Vac Operator for V800/VR800 Gas Valves.	V804B1022	I
750mV Operator for VS820/VS824/VS891 Valves	VS824B1009	I

Regulators



Details	Part Number	Stock/ Indent
3-5" WC Pressure Regulator for NG V/VR800 & Euro valves using above Operators. Use spring kit 393691 to convert to LPG operation.	V5306B1009	I
Step Opening Pressure Regulator for LPG Set Pressure of 11". For V/VR800 & Euro valves using above operators.	V5307A1026	I

Residential Combustion Controls

Gas Valve Accessories

Conversion Kits



Details	Part Number	Stock/ Indent
LPG to NG Conv. Kit for VR82 & VR8300 family gas valves & Euro valves using V804 & V404 Operators (can also be used for V800 & VR800)	394588	I
NG to LPG Conv. Kit for VR82 & VR8300 family gas valves & Euro valves using V804 & V404 Operators (can also be used for V800 & VR800)	393691	AUS
LPG to NG Conv. Kit for V800 & VR800 family gas valves (can also be used for VR82 & VR8300)	391936	I
NG to LPG Conv. Kit for V800 & VR800 family gas valves (can also be used for VR82 & VR8300)	391937	AUS

Miscellaneous



Details	Part Number	Stock/ Indent
Metal knob for V800 and VS8 Series Valves.	390795	I
Energy Cut Off (ECO) Connector for V800 / VR800 / VS821 / VS820 family gas valves.	392451-1	I
800mm Ignition Cable for S8605H. 90 deg Rubber Boot at Pilot Assembly	394800-30	I
3/4 BSB Elbow for V44/8800, V & VR86/4600 family gas valves. Pack includes Screws, O-Ring & Flange.	45002776-006B	I
30MV Power Unit for V44/8800 Gas Valves.	45002776-012	I
Energy Cut Off (ECO) 1/4" QC for V88/4400 family Gas Valves.	45900404-002B	I
1/4" Compression Nut & Ferrule for Pilots & Pilot Tubes on US Valves.	386449-1	I
800mm Ignition Cable for S8605H Straight Connection at Pilot Assembly	394801-30	I

Water Flow Sensor



C7195A water flow sensor. Measures domestic hot water flow rate (Modulates Burner in Relation to Water Flow Rate) For use with Combination boilers, instantaneous water heaters and applications where hot water is produced from direct heat input.

Details	Part Number	Stock/ Indent
Min/Max Flow Rate 1.5l/min-30l/min. Withstand Pressure 17.5 bar. Fluid Temperature 0°C - 80°C	C7195A2001B	I

Residential Combustion Controls

Thermocouples

Q340A Universal 30mV Thermocouple



Universal thermocouple individual blister pack. 60 sec drop out. C/Q Clip and Adapter. Made in USA and suits mainly American pilot brackets. Average operating life of ten years. Available in variety of lead lengths (18" to 48"; 0.5m to 1.2m).

Timing	Suitable Pilot	Features	Part Number	Stock/ Indent
60 sec drop out	Tradeline	18"/500mm	Q340A1066	I
60 sec drop out	Super Tradeline	24"/600mm	Q340A1074	AUS
60 sec drop out	Super Tradeline	36"/900mm	Q340A1090	NZ
60 sec drop out	Tradeline	30"/800mm	Q340A1082	I
60 sec drop out	Tradeline	48"/1200mm	Q340A1108	I

Q309 Thermocouple



Used with a pilot burner, the thermocouple provides a flame-proving function which allows the gas valve to open only when a pilot flame is established

Timing	Suitable Pilot	Features	Part Number	Stock/ Indent
60 sec drop out	Q314A, Q324A	24"/600mm	Q309A1970B	AUS
60 sec drop out	Q314A, Q324A	21"/550mm	Q309A2135B	I
60 sec drop out	Q314A, Q324A	21"/550mm	Q309A4040	I

Q313A Thermopile Generator



Thermopile generator for 750mVac self-powered gas control valves. Eliminates need for external power supply. Compatible with the majority of millivolt gas valves.

Suitable Pilot	Features	Part Number	Stock/ Indent
Q314, Q324, Q327	23"/584mm	Q313A1014B	AUS
Q314, Q324, Q327	35"/890mm	Q313A1022	I

Pilot Burners

Q314A Pilot Burner



Non-primary aerated insert, orifice-type pilot burner for main burner ignition with Q340 or Q390 thermocouple. Use in Pilotstat safety control operation. For natural and LP gas-fired equipment. Mounting: A-type or B-type. C/W Electrode Clip (for 61023/... Ignitors).

Tip Style	Bracket Type	Features	Part Number	Stock/ Indent
Right Hand	B	18 Thou Inch	Q314A6102	I
Right Hand	A	18 Thou Inch	Q314A9015B	AUS

Residential Combustion Controls

Pilot Burners

Q345A Pilot Burner



Non-primary aerated, intermittent pilot burner with integral electrode for sparking and flame sensing. For Natural and LP Gas-Fired Equipment.

Tip Style	Bracket Type	Features	Part Number	Stock/Indent
Left Hand	B	20 Thou Inch	Q345A2030B	I

Q348A Pilot Burner



Primary aerated, intermittent pilot burner with 1" target span. NG Orifice.

Tip Style	Bracket Type	Features	Part Number	Stock/Indent
Dual Wing	B	26 Thou Inch	Q348A1226B	I

Q373A Pilot Burner



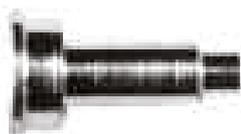
Non-primary aerated, intermittent pilot burner for use in standard pilot applications. For natural and LP gas-fired equipment.

Tip Style	Bracket Type	Features	Part Number	Stock/Indent
Left Hand	N	18 Thou Inch	Q373A2073B	AUS

Orifices - Pilot Burners

Pilot Burner Orifice

Interchangeable and colour-coded orifice can be ordered to convert between natural and LP Gas.



Gas Type	Suitable Pilot	Features	Part Number	Stock/Indent
LPG	Q303, Q324	10 Thou Inch	388468D	I
LPG	Q314, Q345, Q373	10 Thou Inch	390686-1	AUS
LPG	Q314, Q345, Q373	12 Thou Inch	390686-25	I
LPG	Q303, Q324	18 Thou Inch	388468H	I
NG	Q314, Q345, Q373	16 Thou Inch	390686-14B	I
NG	Q314, Q345, Q373	20 Thou Inch	390686-5	I

Residential Combustion Controls

Ignition Controls

S8605 Intermittent Pilot Gas Ignition Controller

IP controllers with 100% shut-off, safe-start delay time and flame failure lock-out timing. Uses single flame rod. 24Vac. AVAILABLE ONLY WHILE STOCKS LAST.



Details	Part Number	Stock/ Indent
5 sec trial	S8605H0005	I
90 sec trial	S8605H0090	I
15 sec trial	S8605H1001B	I

S4570 Automatic Hot Surface Ignition Controller

Solid state, hot-surface ignition controller. For direct ignition using hot surface ignitor. For induced or forced draft applications. 240Vac.



Details	Part Number	Stock/ Indent
5 Sec Safety time, 15 Sec Pre-Purge	S4570LS1026B	I

Q347A Spark Ignitor

Spark ignitor, produces spark for direct ignition of main burner. Includes inner Kanthal electrode with ceramic insulator, bracket and Kanthal ground strap. Use with Q354A.



Details	Part Number	Stock/ Indent
Spark ignitor. Spark Gap: 16 Thou Inch.	Q347A1004B	I
Spark ignitor. Spark Gap: 19 Thou Inch.	Q347D1001B	I

Q354A Flame Rectification Sensor

Flame rectification sensor detects the presence of a main burner flame.



Details	Part Number	Stock/ Indent
Temp rating at electrode tip - 1775F(968C) Rod Length: 64mm	Q354A1000	I

Residential Combustion Controls

Pressure Switch

C6065 Pressure Switch



Pressure switch for forced flue, combustion-type burner system functions as an airflow (combustion) supervision with a safe start interlock. Can be used on air or combustion products.

Pressure Type	Pressure Settings (mm water)	Pressure Settings Pascals	Features	Part Number	Stock/Indent
Differential	On: 6 Off: 4.5	On: 59 Off: 44	Special Silver	C6065A1002	I
Differential	On: 9 Off: 7	On: 88 Off: 74	Special Yellow	C6065A1010:2	AUS
Differential	On: 0.39 - 0.98	On: 39 - 98	Special Silver Adjustable (Not Sealed, Not Set)	C6065A1028:2	NZ
Differential	On: 0.98 - 3.90	ON: 98 - 390	Special Silver Adjustable (Not Sealed, Not Set)	C6065A1036	I
Differential	On: 1.21 Off: 0.98	On: 121 Off: 98	Special Silver	C6065A1267	I
Differential	On: 14.4 Off: 10	On: 141 Off: 98	Special Silver	C6065A1515:2	I
Differential	On: 8 Off: 3.5	On: 78 Off: 12	Special Yellow	C6065A1523:2	I
Differential	On: 0.39 - 0.98	On: 39 - 98	Special Silver Adjustable (Not Sealed, Not Set)	C6065F1175B	I
Differential	On: 0.98 - 3.90	On: 98 - 390	Special Silver Adjustable (Not Sealed, Not set)	C6065F1183	I
Differential	On: 0.47 Off: 0.24	On: 47 Off: 24	Special Gold	C6065F1274:2	I
Differential	On: 2.45 Off: 0.65	On: 245 Off: 65	Adjustable	C6065F1337:2	AUS
Differential	On: 0.30 Off: 0.10	On: 30 Off: 10	Special Silver	C6065F1340:2	I

Corporate Profile

A SNAPSHOT

Honeywell International is a \$36 billion diversified technology and manufacturing leader, serving customers worldwide with aerospace products and services; control technologies for buildings, homes and industry; automotive products; turbochargers; and specialty materials

Honeywell delivers quality products, integrated systems solutions and professional technical services that make life safer, more comfortable, more secure and more productive. Our offerings touch the lives of people everyday; whether you're flying in an aeroplane, driving a car, heating or cooling a home, furnishing an apartment, taking medication or playing a sport, Honeywell is there, somewhere.

Honeywell Limited began operating in Australia in 1962 and in New Zealand in 1971. Today the Pacific region has 1,100 Honeywell employees.



Environmental & Combustion Controls is part of Honeywell Automation & Control Solutions (ACS), a strategic business group within Honeywell. Businesses that fall within the group include:

Honeywell Environmental & Combustion Controls

develops and distributes products for the control and effectiveness of heating/cooling systems in the home or commercial setting.
customer-ap.honeywell.com

Honeywell Process Solutions

creates solutions that integrate field equipment, data, distributed control systems and advanced process control with collaborative manufacturing systems and enterprise resource planning. www.honeywell.com/ps

Honeywell Software Centre

develops software based control systems for the operation of industrial plants (for Honeywell Process Solutions) and large commercial buildings (for Honeywell Building Solutions).

Honeywell Building Solutions

maintains and services critical building systems, including building automation, security and life-safety, energy management and heating, ventilation and air conditioning.
www51.honeywell.com/pacific

Honeywell Sensing Control

develops and distributes products for switching and sensing applications.
<http://content.honeywell.com/sensing/>

Honeywell Security

(formerly Ademco) is a supplier and distributor of electronic security systems and solutions.
www.honeywellsecurity.com.au

Honeywell Life Safety

(formerly Notifier Inertia Fire Systems) develops and installs fire protection and life safety monitoring equipment.
www.honeywelllifesafety.com



Other business groups within Honeywell are:

AEROSPACE

Honeywell Aerospace develops sophisticated avionics and electronic systems, flight safety products and systems, high reliability switches and sensors, propulsion engines, auxiliary power units and wheels and brakes.

TRANSPORTATION SYSTEMS

Honeywell Transportation Systems manufactures and markets consumer-branded automotive products for the aftermarket consumer, and for the automotive equipment manufacturers and installers. They also develop, assemble, test and repair turbochargers for the automotive, marine and aerospace businesses.

SPECIALTY MATERIALS

Specialty Materials is a world leader in high-performance specialty materials such as fluorocarbons, specialty films, advanced fibres, customised research chemicals and intermediates.

Honeywell

T775 Electronic Standalone Controller

No Assembly Required



Most controllers require you to piece together separate modules to get the control features you want, but the Honeywell T775 Electronic Standalone Controller puts an end to add-ons. All the features you need for a variety of applications are built right in, including the LCD.

EASY TO USE LARGE LCD GRAPHICAL INTERFACE

Operating the new T775 is as easy as operating your cell phone. The easy-to-use, intuitive programming will save you time on every job.

INTERNAL TIME CLOCK SCHEDULER

The Setback and Disable Output options, controlled by the built-in scheduler or digital input, will help save energy during unoccupied times and give you more control of the equipment without needing to purchase an additional time clock.

UP TO TWO INDEPENDENT MODULATING OUTPUTS

Each output can be individually configured for 0-10 Vdc, 2-10 Vdc, 4-20 mA or Series 90, so a single device can handle many field requirements to save you time selecting the right control for the job.

SENSOR CALIBRATION UP TO +/-6°C

This can be used to compensate for resistance drops in wire leads, to offset the input temperature for sensor location and more.

STAGE UP TO 12 RELAYS

The sequencer model has four stages, plus you can add up to two optional 4-stage expansion relay modules for 8- or 12-stage operation. The flexible setup allows you to configure these stages for heating, cooling or both. Because sequencer models operate up to 12 stages, you can control multiple low-mass boilers, chillers, electric heat and other equipment from a single controller.

SPECIAL MODELS

Several T775 models are designed to ensure your control needs can still be met with a single unit for special applications. Including: A universal model To control pressure, humidity or temperature, a special sequencing model for staging up to 12 relays with up to two setpoints and a special boiler model.

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