

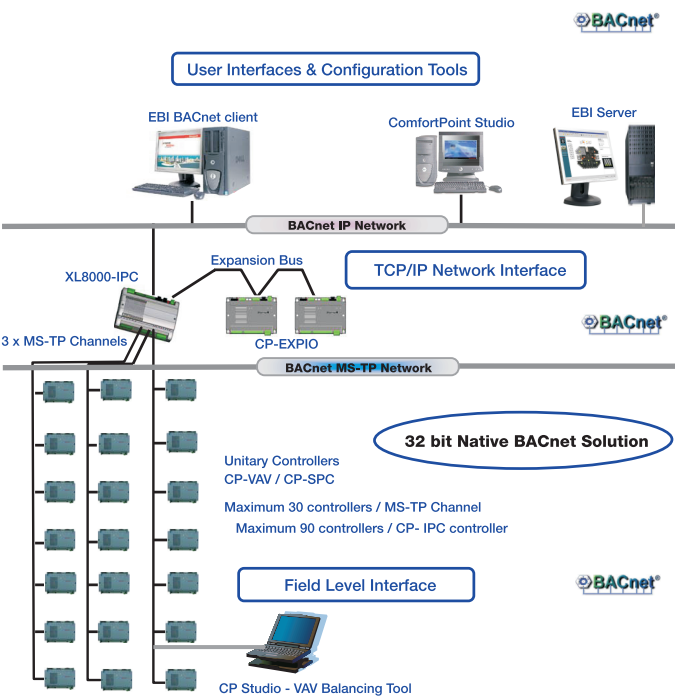
# ComfortPoint™ CP-SPC

## SMALL POINT CONTROLLER



- Native BACnet series of controller
- Based on B-ASC BACnet profile
- Outstanding performance with 32 bit technology
- Use Standard FCU application or Flexible Custom programming
- Built-in Real Time Clock
- Connects to one of three BACnet MS-TP channel of CP-IPC
- Fully integrated with Honeywell EBI (Enterprise Buildings Integrator)
- Flexible and easy configuration with ComfortPoint Studio

### SYSTEM ARCHITECTURE



*Note: Due to Product renovation & technology upgrade, the specifications given in this data sheet may subject to change. Please contact your regional product management for current updates*

### FEATURES

**Freely Programmable Native BACnet® Small Point Controller**  
CP-SPC is Freely Programmable native BACnet® Controller.

**Scalable and Powerful**  
Designed with 32 bit processor and built in Real Time Clock, the system can be expanded from small to large Integrated Building Management System.

**Applications**  
ComfortPoint Studio tool comes with predefined applications for FCU which can be downloaded to SPC. User can create own custom applications for SPC.

**Programming**  
Easy to program and configure with the help of ComfortPoint Studio.

**Easy installation**  
CP-IPC has built in BACnet® router which eliminates the need for external BACnet® routers for the System. Honeywell's EBI can access all MS-TP Unitary controllers via CP-IPC BACnet® Router.

**Peer to Peer communication**  
CP-SPC can communicate and share point values with other CP-VAV or SPC over MS-TP network.

**Flexible mounting options**  
DIN-rail / Wall mounting.

## SPECIFICATIONS

### Electrical Data

#### Operating Voltage

- 24 VAC  $\pm$  20%, electrically isolated 7VA
- Housing Material: ABS Plastic

#### Mounting

- DIN rail
- Wall mounting

#### Protection Class: IP 20

#### CPU

- Processor: ColdFire®; 521x, 60MHz, 32-Bit Hi Performance processor

#### Memory

- 256KB Flash
- 32KB RAM
- Built-in Real Time Clock
- Battery Backup: Gold Capacitor battery for data backup upto 72 hours

### Integrated I/Os

#### Digital Output

- 8 DO's ( Traic Output)

#### Digital Input

- 4 potential-free contact Digital Input's
- 1 of the DI out of 4 can be used as Pulse Input @ 15 Hz for Energy Meter Totalization Applications

#### Analog Output

- 2 AO's, 0-10 Vdc

#### Analog Input

- 5 AI's, 12 bit A/D resolution
- First 2 AI's are reserved for Wall Module & Space Temperature sensor inputs
- Other 3 AI's can be used as 0-10 Vdc, NTC

20K and Potential Free contact Digital Input

### Environmental

#### Temperature

- Operation: 0...50° C;
- Storage: -20...+70° C

#### Ambient Humidity (operation and storage)

- 5 to 93% relative humidity, non-condensing

#### Certifications

- CE
- UL 916

#### Models

- CP-SPC: 19 points on board

### Hardware Interfaces

#### MSTP Port 1

- Supports 9.6, 38.4 and 76.8 Kbps
- Connects to MSTP network with max 30 BACnet devices per network
- 3 x screw terminal, removable
- 1 service LED

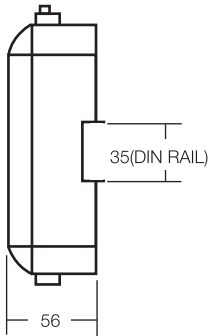
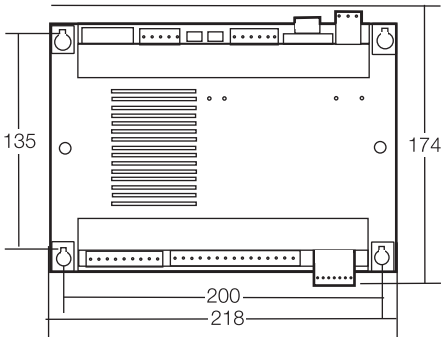
#### RS232C Port

- For Firmware Upgrade
- 9-pin Sub-D

#### Reset Button

Two Rotary Hex switch to set CP-SPC MAC address

## DIMENSIONS



### Find out more

Contact a Honeywell representative today.  
Visit [www.honeywell.com/buildingsolutions/offices](http://www.honeywell.com/buildingsolutions/offices)  
for a Honeywell office near you.

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