

# PIC-SD

PRICE INTELLIGENT CONTROLLER - SD



# PIC-SD

## Price Intelligent Controller - SD

### FEATURES

- + Fast and error proof RJ-45 thermostat connection
- + Integrated Belimo actuator
- + Two analog inputs (0-10V)
- + Two 24 VAC binary outputs field selectable between hot and common switching
- + Two fully-configurable analog (0-10 VDC) outputs for heating, cooling, and auxiliary
- + Built in BACnet MS/TP and VAV flow sensing
- + Pluggable terminal blocks for easy field wiring
- + Diagnostic LEDs for BACnet and controller status

The PIC-SD is a powerful yet cost effective VAV zone controller for single duct terminals.

The PIC-SD controller comes pre-programmed with a specified sequence, resulting in no field programming required. With its plug & play thermostat connection and smaller footprint, this controller is great for retrofits and stand-alone applications.

The PIC-SD is available with several thermostat options allowing the designer to match the specific needs of the customer. All Price thermostats, except the wireless model, come with an RJ45 jack allowing for plug & play connection with the supplied NETC35 cable.

### WHY PICK THE PIC-SD?

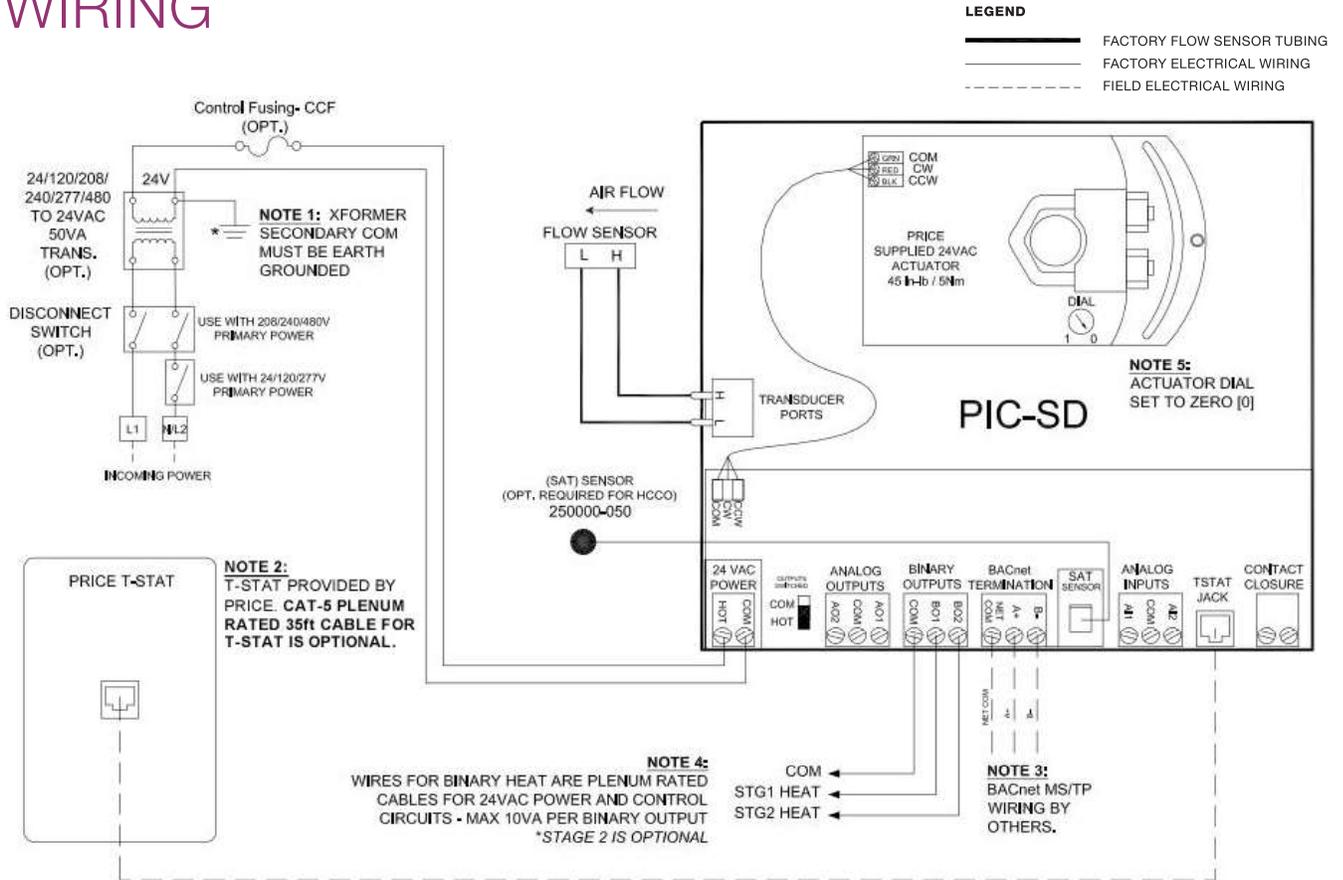
The PIC-SD is a compact controller that can be selected when you need to be competitive on a project. With its smaller footprint, the PIC-SD is great for chilled beam and fancoil applications utilizing the 2 analog or 2 binary outputs available for 2-pipe applications. The PIC-SD is also useful when you need stand-alone control of a single duct terminal, where a building management system is not required.



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### WIRING



### Control Sequence

All PIC-SD controllers come factory programmed for their sequence of operations. A typical sequence is shown (#1811). This shows the wiring to the PIC-SD as a single duct terminal with heat/cool changeover and two stages of binary (on/off) electric reheat. More detailed information on the control sequence and wiring can be found in the PIC-SD operation and maintenance (O&M) manual.

### Power

The PIC-SD requires low voltage 24 VAC connection to operate. Price can supply a factory mounted transformer in a variety of voltages or the installer can use an alternate 24 VAC power source.

### Thermostat

All PIC-SD thermostats use an RJ-45 connection. Price can supply this cable (standard model is 35 feet and can be doubled to 70 feet with a cable coupler), or the installer can build their own cables on site. To save time and cost on site, Price recommends purchasing our 35-foot cable with the PIC-SD.

### BACnet

The BACnet connection requires a low capacitance twisted pair and network ground wire. Price recommends using a plenum rated CAT5 cable for this (using the orange and orange complement pair for Net - and Net + and the brown and brown complement together for Net ground). Price recommends not exceeding 30 devices and 1,000 feet per MS/TP segment. This ensures a fast and reliable BACnet network.

## **price** | CONTROLS

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