

PRICE INTELLIGENT CONTROLLER



**Price Intelligent Controller:
A Universal DDC Controller
with BACnet Interoperability**

- ➔ Setup Controller Software
- ➔ Expansion Modules
- ➔ Price Controls Display
- ➔ Price Electronics

www.priceelectronics.ca

PIC Price Intelligent Controller

The Price Intelligent Controller (PIC) is a universal DDC control package that offers a new level of zone control. An advanced and configurable proportional integral (PI) controller allows for exceptional user comfort and energy efficiency. Installation of the controller and thermostat is simple and error proof with RJ-45 (network type) connections to the thermostat.

The PIC is available with several thermostat options allowing the designer to match the specific needs of the customer. Every model of thermostat has an RJ-12 service port allowing setup and configuration access without having to access the plenum.

PIC Features

- Fast and error proof RJ-45 thermostat connections
- Integrated actuator
- 24 VAC binary switched outputs field switchable between hot and common
- Analog (0-10 VDC) outputs configurable for heating, cooling, fan and auxiliary
- Field installable expansion modules for BACnet MS/TP and VAV flow sensing
- Pluggable terminal blocks for easy field wiring
- Diagnostic LED's showing status of each output including damper direction



Thermostat supplied by others

This option allows PIC to interface to a third party thermostat or control system.

Room Sensor Thermostat

This model measures room temperature. Temperature set points are set through software, eliminating the need for local set point adjustment (Either free setup software or BACnet).



Service Port (All Models)

Allows setup and configuration via a PC

Dial Thermostat

This model measures room temperature and features a dial adjustment and an occupancy button with LED. Temperature set point limits are set through software. (Either free setup software or BACnet).

LCD Thermostat

This model measures room temperature and houses a LCD screen with push button set point adjustment. The Occupancy Button is able to override the system's schedule providing the user optimal comfort. Temperature set point limits are set through software (Either free setup software or BACnet).

LCD Thermostat with Motion Sensor

This model measures room temperature, has an LCD screen with push button set point adjustment and features a motion sensor. The motion sensor allows for automatic detection of space occupation and therefore can save energy by shutting down during unoccupied periods.

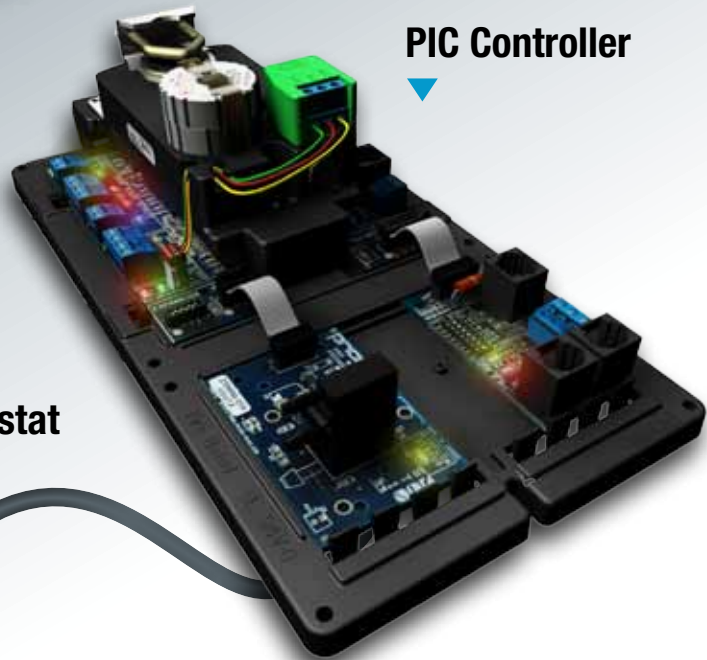


PIC Price Intelligent Controller

The PIC universal DDC controller arrives on site fully programmed and configured for a specific sequence of operations. If any changes are needed, you can use the PIC interface cable and software to make changes easily after installation. The interface cable plugs into any thermostat model's service port, allowing the installer to adjust virtually any setting in the PIC controller. This gives the installer the ability to access all these functions without having to climb into the ceiling plenum.



▶ **PIC Software Interface**



▶ **PIC Controller**

▶ **PIC Interface Cable**

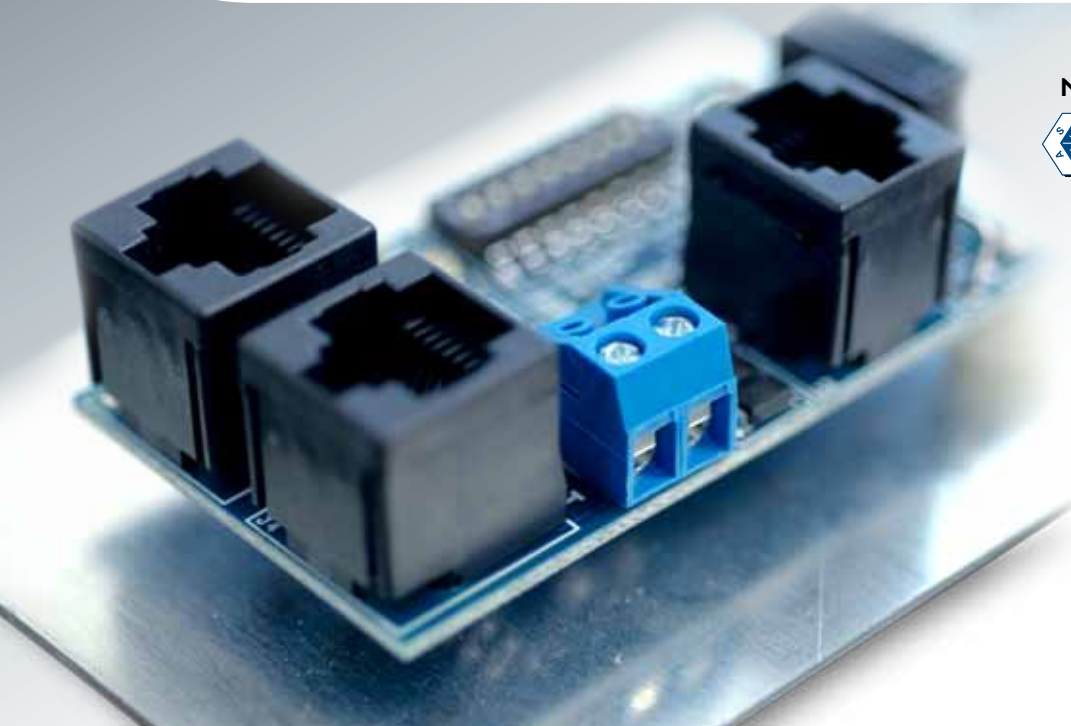


▶ **LCD Thermostat**

▶ **Thermostat Cable**

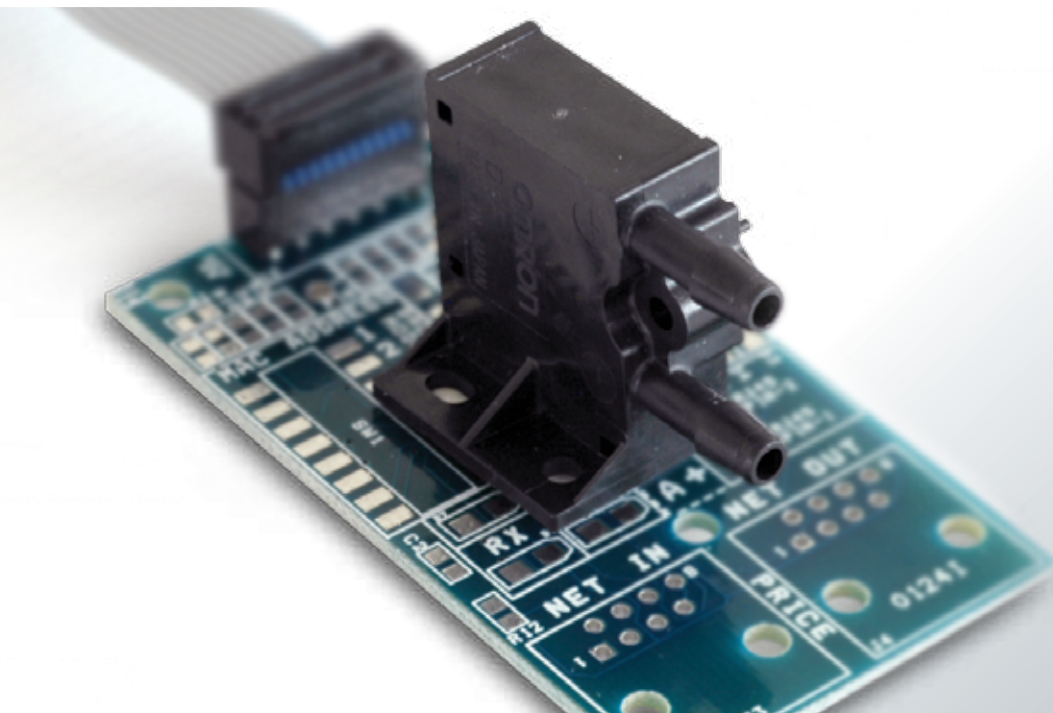
PIC Expansion Modules

The PIC universal DDC controller is extremely flexible and is available with both BACnet and VAV expansion modules. This allows the PIC to perfectly fit the customer's application and control costs. The expansion modules are extremely easy to install. Just use the included ribbon cable connector and plug into the PIC. The cables are keyed to prevent incorrect hookup.



BACnet Expansion Module

The BACnet MS/TP expansion module adds BACnet server capabilities to the PIC. This allows full control and setup of the PIC on a BACnet MS/TP network.



VAV Expansion Module

The VAV expansion module adds full pressure independent control to the PIC. Using a state-of-the-art airflow sensor with the PIC's proportional integral control allows fast and reliable airflow control.



Price Controls Display

Price designs and manufactures several different controllers for the HVAC market. Showcased in our Winnipeg, Atlanta and Phoenix facilities, the Price Controls Display offers a valuable training and learning tool. Nine interchangeable panels highlight the wide range of control products available from Price. Each panel is active and fully operational for training purposes.

- PDRC - Price Digital Rooftop Controller
- Price BACnet Router
- Price ECM Standard and ECM Deluxe Motor Speed Controllers
- PIC - Price Intelligent Controller
- Prodigy Smart Diffuser
- PEDC - Price Electronic Digital Controller
- PSG - Price Silent Guard Single Board Heater Controller
- UMCB - Underfloor Modulating Controller with Fan and Heater Control
- UMCII - Underfloor Modulating Controller 2



Price Electronics MANUFACTURING DIVISION

Part of the Price Group of Companies (www.price-hvac.com), Price Electronics provides full turnkey contract manufacturing services for several North American customers.

Based in Winnipeg, Canada in a modern facility, Price employs the latest lean principles in the manufacturing of high reliability products for its customers. Price's current customer base includes companies from the HVAC, industrial automation, medical and transportation sectors.

The products Price manufactures are often expected to operate in harsh or hostile environments where quality and reliability are critical.

Price Electronics provides a full range of services to its customers including project management, new product development and contract manufacturing services. Price's manufacturing capabilities include automated equipment, set-up to cost-effectively support a full range of production volumes and product technologies. Price Electronics is committed to providing outstanding value to our customers through excellent quality and continuous process improvement.



**Price
Silent Guard**



**Price Intelligent
Controller**



**ECM Deluxe
Controller**



**Prodigy
Smart Diffuser**



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The founding principles of our company have never changed - business integrity, first class service and a commitment to people. Price manufacturing endeavors arose from our belief that we could supply superior products and services at a reasonable price. Our mission is to become the worldwide supplier of preference for air distribution products and services. You can rely on Price – our products and services – with confidence.

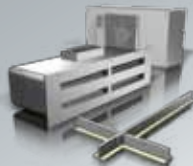
Product Improvement is a continuing endeavor at Price. Therefore, specifications are subject to change without notice. Consult your Price Sales Representative for current specifications or more detailed information.

Your Local Price Representative:

Grilles & Diffusers



Critical Environments



Terminals



Sustainable Building



Noise Control

