

PRICE DIGITAL ROOFTOP CONTROLLER



PRICE NOW OFFERS DIGITAL ROOFTOP CONTROL TECHNOLOGY...

The new Price Digital Rooftop Controller (PDRC) is an advanced proportional integral (PI) digital controller that offers state of the art control of a packaged rooftop unit. Multiple pre-programmed and pre-tested control strategies are available for an easy to install and reliable system package.

Networked with Price Electronic Digital Controls (PEDC), the system can determine the load of each

zone and intelligently control the main packaged rooftop controller unit.

The PDRC is a modular system with several add-ons. Modules for input/output (I/O) expansion allow for numerous equipment and sensor hookups. An Ethernet connection module with a Graphical User Interface allows for advanced control and monitoring of a building system. This controller represents an exciting new direction in control technology.

THREE SYSTEM PACKAGES BASED ON PROJECT REQUIREMENTS:

All PDCR packages networked with Price Electronic Digital Controls (PEDC)

PDCR PACKAGE A: BASIC SYSTEM

- Up to 50 PEDC per PDCR
- No Graphical User Interface

PDCR PACKAGE B: ENHANCED SYSTEM

- Up to 25 PEDC per PDCR
- Graphical User Interface
- Serial Port computer connection (RS-232)

PDCR PACKAGE C: PREMIUM SYSTEM

- Up to 50 PEDC per PDCR
- Graphical User Interface
- Ethernet computer connection

LCD FEATURES:

- Real time clock with battery backup
- Icons for fan/cooling/heating and many other functions
- Local temperature read out
- Backlit display

PUSH BUTTON FEATURES:

- 16 buttons with icons
- Setpoint adjustments (day/night)
- Setting time and schedule
- Adjusting occupancy modes
- Control setup and tuning
- Menu access



CONTROL BENEFITS

- ▶ Improved comfort
- ▶ Reduced energy costs
- ▶ Compatible with any Rooftop package
- ▶ Reliable & trouble free performance
- ▶ Expandable system

CONTROLLER STRATEGIES

Maximum Comfort

Voting Strategies

Maximum Efficiency

Custom Strategies

SYSTEM FEATURES:

BASIC SYSTEM:

- Set schedules without a computer
- 2-way communication with each networked zone controller
- Native BACnet device
- Universal inputs accept almost any signals (0-5VDC, 0-10VDC, 10k, 4-20ma)
- On board real time clock and scheduling (with battery backup)
- Built in safeties to prevent short cycling of equipment (timers)
- Choice of several pre-tested control strategies
- Conforms to the standard Rooftop Unit wiring interfaces (24 VAC) ensuring easy hook up to both new and retrofit applications

ENHANCED SYSTEM:

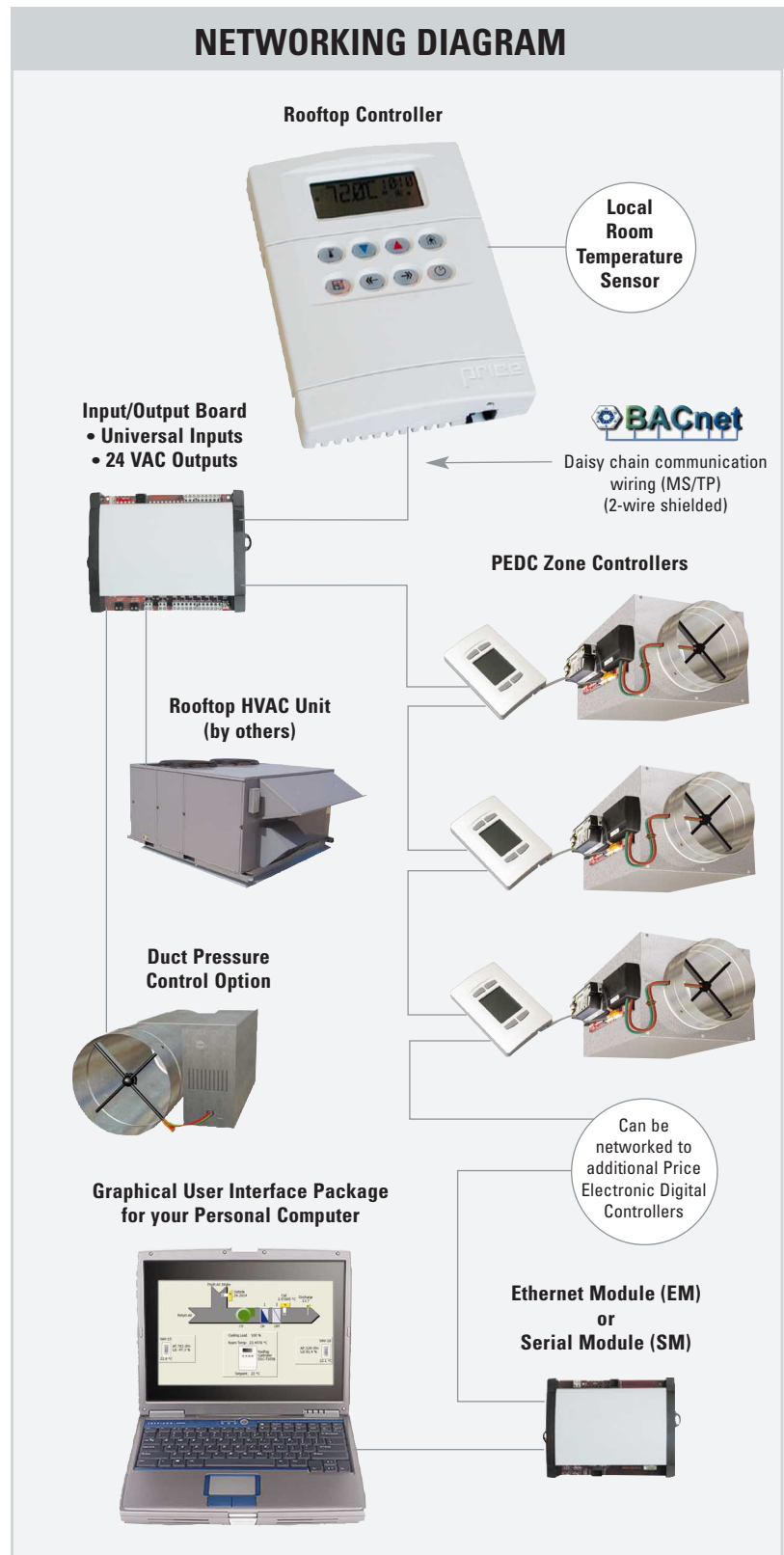
All Basic features plus...

- Serial connection to personal computer
- Monitor and change settings on the PDRC and PEDC at any zone
- Graphical User Interface

PREMIUM SYSTEM:

All Basic & Enhanced features plus...

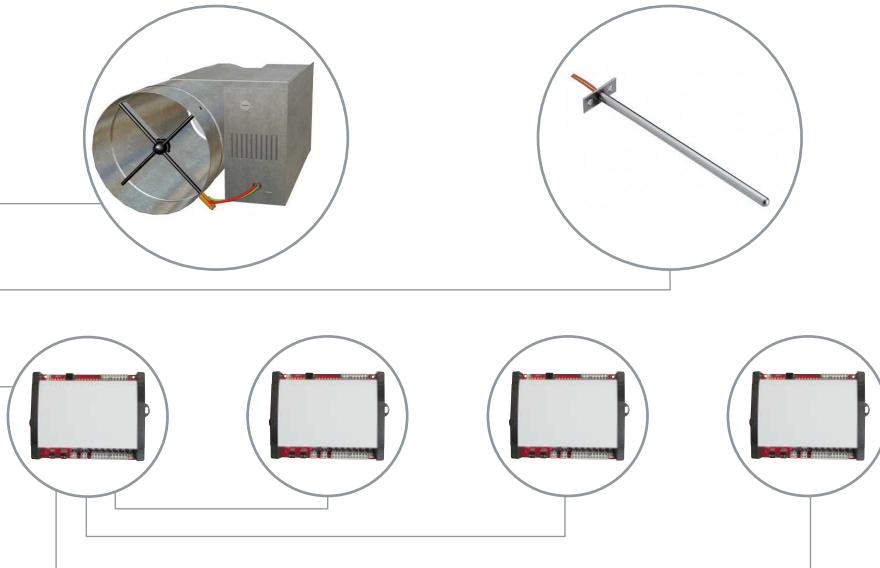
- Ethernet connection to your personal computer or LAN
- Monitor and change settings on the PDRC and PEDC remotely at your PC



CONTROLLER OPTIONS

There are several add-on options for each Rooftop Controller depending on your needs:

- Duct Pressure Control
- Duct temperature probes for inside/outside air temperature
- Expandable system, can add additional I/O boards as needed



FOR MORE INFORMATION ON THE PRICE DIGITAL ROOFTOP CONTROLLER:



PDRC ENGINEERING GUIDE

Full technical details and layout examples of the PDRC system.



PDRC SERVICE & INSTALLATION MANUAL

Recommended installation practices and operation of PDRC system.

CONTACT YOUR LOCAL PRICE REPRESENTATIVE TO OBTAIN YOUR COPY OF THE ENGINEERING GUIDE OR THE SERVICE & INSTALL MANUAL

The founding principles of our company have never changed - business integrity, first class service and a commitment to people. Price manufacturing endeavours 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.



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

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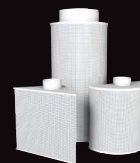
Terminal Units



Underfloor Products



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