

PRICE PRODIGY®

SELF-MODULATING DIFFUSER



THE ULTIMATE IN PERSONAL COMFORT SYSTEMS...

The **Price PRODIGY® Self-Modulating Diffuser** combines proven air performance technology with advanced DDC electronic control to provide the ultimate in space temperature control and system efficiency. The device incorporates an adjustable damper which modulates inside the diffuser assembly. The electronics to control the device are mounted on the top of the back pan, out of sight from the occupied space.



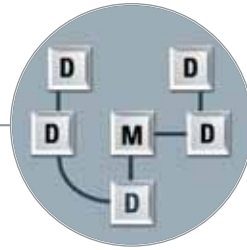
Prodigy's advanced DDC control techniques provide an exceptional level of stable, precise control, which responds faster than thermal expansion devices. Space temperature control within 1°F of set point, true VAV cooling and heating, activation of perimeter heat and optional BACnet interface are all possible with **PRODIGY®**. For more information, please contact your local Price Representative.



Easy conversion between models

FOUR MODELS

- PPD1** • VAV cooling, CV heating
• Setpoint adjustment on diffuser
- PPD2** • VAV cooling, VAV heating
• Setpoint adjustment on wall mounted sensor
- PPD3** • VAV cooling, CV heating
• Setpoint adjustment with infrared remote device
- PPDD** • Drone unit synchronizes with master unit



PARALLEL DRONE OUTPUT JACKS

- Each master can control up to 5 drones
- Very low current draw (2.5 VA per unit)
- 2 snap-in-jacks on drone and master provide ultimate layout flexibility
- LED lights for power & Prodigy® status



PRODIGY® PRESSURE RELIEF COLLAR

The Prodigy® Pressure Relief Collar slips over the Prodigy inlet to provide a simple and inexpensive solution to control duct static pressure. The PRC's dual shutters gradually open in response to excessive pressure.

BACnet INTERFACE OPTION

- Allows **Prodigy®** master units to be connected to a BACnet MS/TP network
- Once connected, information such as room temperature, room setpoint and room load can be shared with a BAS system allowing intelligent control
- No tools required for networking. Just use the **supplied** RJ-45 connections plenum rated network cable. It's as easy as plugging in a laptop.



MULTIPLE POWER SUPPLY OPTIONS

- OPTION 1** • Model PPM; **Prodigy® Power Module**
- 24 VAC power supply for up to 15 **Prodigy®** diffusers
- OPTION 2** • Diffuser-mounted 20 VA transformer
- Supports up to 6 **Prodigy®** diffusers
- OPTION 3** • Terminal plug for field supplied 24 VAC



AUXILIARY HEAT

- 2 terminals supply 24 VAC pulsed signal to control auxiliary heating
- 3 output signal options optimize control, comfort & equipment life of electric or hot water systems
- LED status lights for signal & overload notification

PRODIGY® POWER MODULE

The **Prodigy® Power Module (PPM)** provides the most economical and convenient method for powering multiple **Prodigy®** diffusers because costs of conduit, wiring and electrician time are dramatically reduced.

FEATURES:

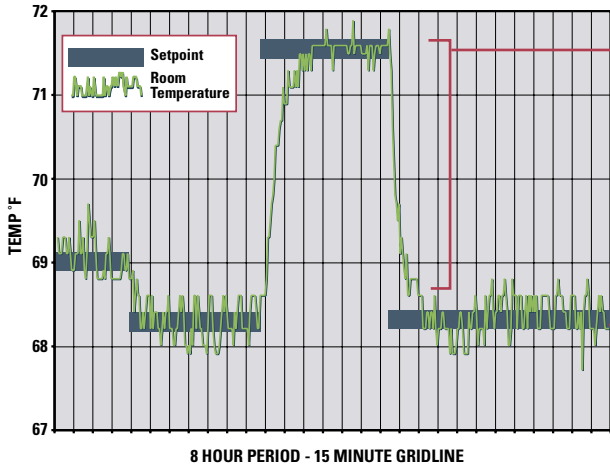
- 96 VA Class 2 Transformer (Input voltages 120/208/240/277/480 VAC 50/60 Hz) 24 VAC output
- Supports up to 15 **Prodigy®** Diffusers
- Master On/Off switch and green power indicator LED
- 6 individually protected output jacks (Red LED lights on overload, automatic reset when fault is corrected).

CABLES AND CONNECTORS

A variety of snap-in low voltage cables and connectors are available to facilitate fast, simple and foolproof installation of the entire **Prodigy®** family. All cables are plenum rated and safe to use anywhere in the building.



PPD3-VAV COOLING



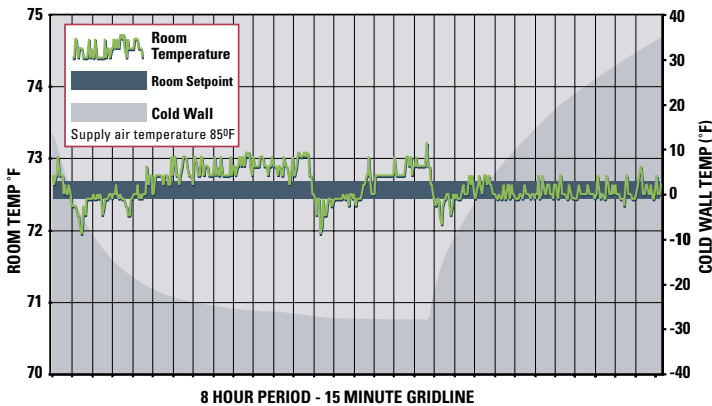
FAST RESPONSE

Prodigy® responds to set point changes with remarkable speed. Typically, it meets demand for new setpoint within 15 minutes, measured in the occupied zone.

ACCURATE CONTROL

Robust PI control and positive damper position feedback eliminates thermal overshoot. **Prodigy®** is able to maintain control of room temperature within +/- 1°F (0.5°C) of setpoint.

PPD2-VAV HEATING



TRUE VAV HEATING

Model PPD2 with wall mounted Thermostat demonstrates the same fast response and accurate control of true VAV heating, even under extreme variations in outdoor temperature, as indicated by shaded area.

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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AIR DISTRIBUTION PRODUCTS FOR WORLD CLASS CITIES



System Controls



Terminal Units



Underfloor Products



Security Products



Displacement Ventilation