price | CONTROLS

PRODUCT CATALOG

DISIO

DISIO AVE

WHAT MAKES PRICE CONTROLS UNIQUE

Price Controls are designed, manufactured, and fully tested at Price Electronics.

Manufacturing of these products started in 1999 and continues today.

Best Lead Times In The Industry! - Fast Delivery

With an in-house purchasing team, we strive to stay ahead of the curve and maintain 3-4 week lead times on all of our products that are manufactured at Price Electronics.

Application Support - Satisfied Customers

Service is key at Price! With a Controls Hotline (204.654.5613 Option 4) available to support you on all Price Controls products, our Application Support team has the best response time in the industry and will ensure that you get the best support for the product!

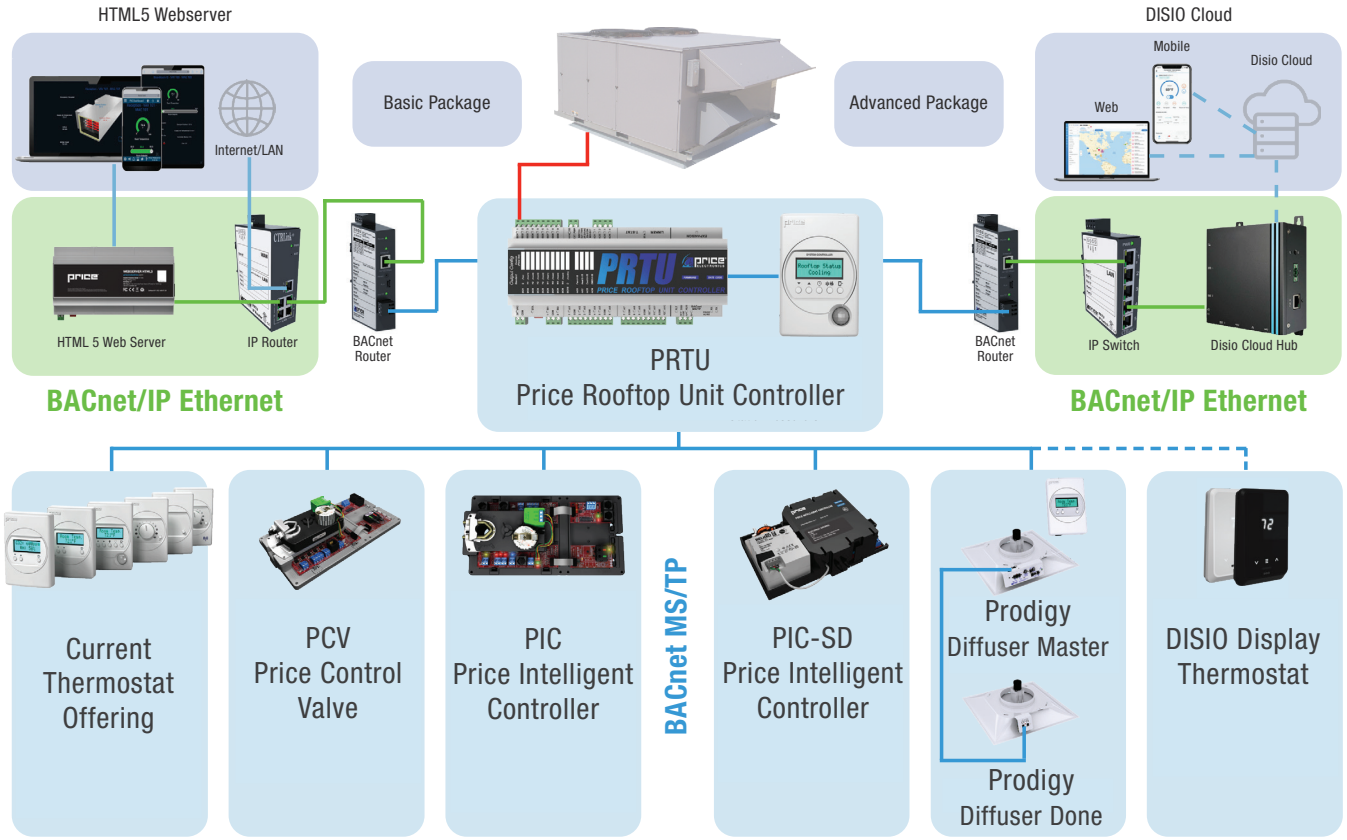
Engineering - Always Innovating And New Features

Price Controls has a team of Software and Hardware Engineers to service the customer and our product. In-house circuit board design and software programming happens right where the manufacturing occurs. This allows for better response times to create new products and support existing products.

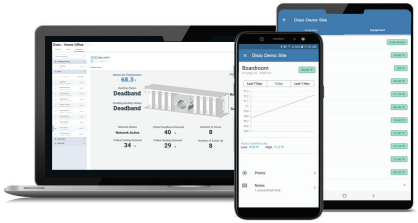
Plug & Play Functionality - Easy Installation

The basis of Price Controls are built on ease of install with plug and play connectivity. Price thermostats come with cables that plug in easily, and the controllers come with plug in connections for BACnet using RJ45 jacks. This makes it easy for the installing contractor to install and get off the jobsite in a timely manner.

PRICE CONTROLS ARCHITECTURE



BUILDING MANAGEMENT SYSTEM (BMS)



DISIO CLOUD

The Disio Cloud is a Building Management System (BMS) used to remotely and securely monitor HVAC equipment in commercial buildings.

The Disio Cloud is a complete cloud based building management solution (BMS) for medium sized networks. It uses the Hub to pull in BACnet points reported by system controllers and retains all data in the cloud. Remote access from across the globe is possible through the cloud allowing users to view their building through any computer, smart phone, or tablet.

Features:

+ Two-step authentication
+ Access through any browser from disio.io or Disio app
+ App available through Google Play Store and Apple Store
+ Standard subscription package supports up to 3000 Points
+ More subscription packages available for up to 24000 Points
+ App available through Apple Store, and Google Play Store
+ Optional panel with all Disio Cloud equipment pre-wired and mounted
+ Pre-Built graphics for Price Controls

Visit www.Disio.io to access your account, download graphics, and for the latest information.

OPTIONAL ENCLOSURE

PRICE WEB SERVER HTML5

The Price Web Server is a complete BACnet front-end solution for small-to medium-sized networks. It uses the Web Server to host a web page containing graphics and BACnet points reported by the system controllers. Remote access from across the globe is possible with Port Forwarding. Recommend a VPN service for security.

+ Accessible from web browser on PC
+ Pre-loaded templates for Price controls
+ Multiple users with separate access levels
+ Animated graphics
+ Drag-and-drop setup; no programming required
+ Support for email alerts based on user-defined conditions
+ Runtime accumulation and reporting (with email notifications)
+ Built-in trending collection, display and automatic email export
+ Support for up to 3,000 BACnet points

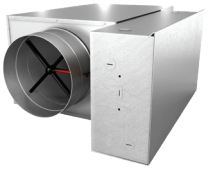
PRTU-IP-RTR

PRTU-BAC-RTR

PRTU-IP-SWITCH

BACnet CONTROLLING THERMOSTAT

DISIO-AIRFLOW



TERMINAL UNIT

KMC ACTUATOR

DISIO DISPLAY THERMOSTAT - TERMINAL UNITS

The Disio Display thermostat can act as a stand-alone thermostat to control any one of the mentioned applications or can connect over BACnet MS/TP to be controlled from a building management system (BMS).

Pressure Independent Terminals

Control a pressure independent terminal when paired with a Disio Airflow Module and KMC actuator to measure and modulate the damper to target airflow setpoints.

Pressure Dependent Terminals

Control a pressure dependent terminal by pairing with a KMC actuator to modulate the damper 0-100%.

Reheat
(0-10 VDC, 2-10 VDC, 24 VAC Binary, 24 VAC Tri-State)

On a decrease in space temperature, the Disio Display Thermostat can energize baseboards, unit heaters, and infrated heaters.

Visit www.Disio.io for the latest sequence diagrams and information.

BACnet CONTROLLING THERMOSTAT

DISIO DISPLAY THERMOSTAT - FAN COILS

The Disio Display thermostat can act as a stand-alone thermostat to control any one of the mentioned applications or can connect over BACnet MS/TP to be controlled from a building management system (BMS).

2 Pipe Fan Coil/Blower Coil Units

Control variable speed ECM or binary fan, on/off heating or cooling or modulating heating or cooling with optional discharge air temperature monitoring.

4 Pipe Fan Coil/Blower Coil Units

Control variable speed ECM or binary fan, on/off heating or cooling or modulating heating or cooling with optional discharge air temperature monitoring.

FAN COIL

BLOWER COIL

Visit www.Disio.io for the latest sequence diagrams and information.

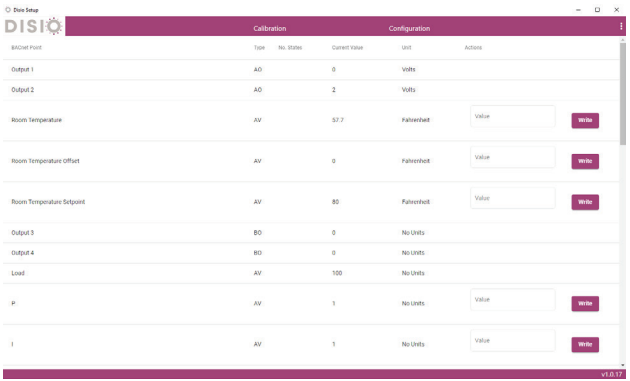
SETUP SOFTWARE

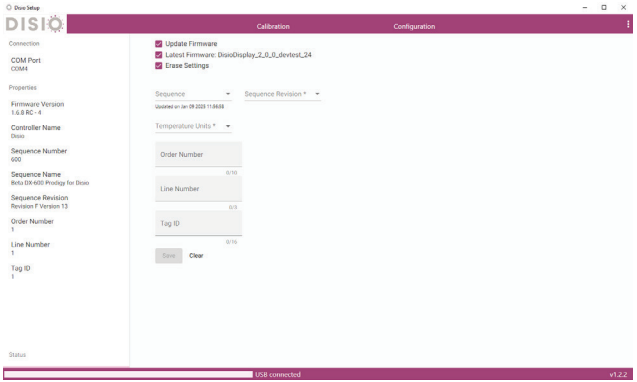
DISIO SETUP

Disio Setup is used to setup and calibrate Disio controls (Disio Display Thermostat) in the field or warehouse/factory. This cutting-edge software connects through a USB to USB-C cable from your computer to the Disio Display Thermostat. Once connected the Disio Setup can scan a device/ controller and determine the sequence of operation and display all the parameters that are available inside the controller making setup and troubleshooting quick and easy.

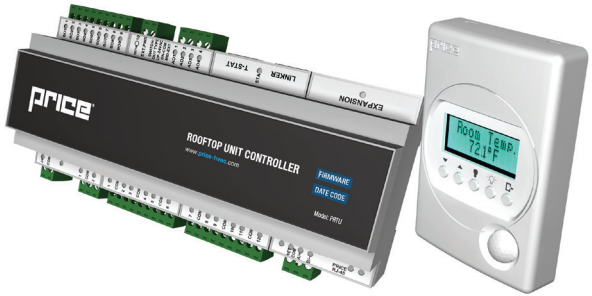
Download the free Windows software from www.disio.io/setup

+ Windows based application with auto-updater
+ Automatically updates sequences and DISIO Display firmware in under 45 seconds
+ Configuration page allows viewing/updating of all variables such as:
+ BACnet addresses/baud rates
+ Room temperature setpoint limits (min/max)
+ Inputs/Outputs





ROOFTOP CONTROLLER

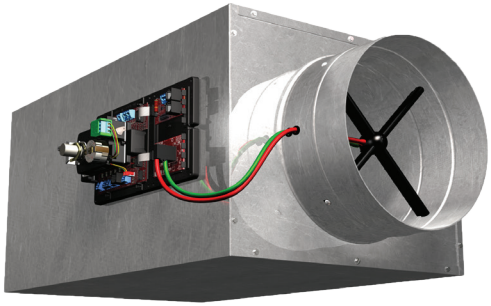


PRTU

Designed to operate with virtually any packaged Constant Volume or Variable Volume rooftop unit ranging from 2-30 tons, the PRTU is one of the most robust and easy-to-use controllers on the market. Ideal for the small to medium size building market with a footprint of 50,000 sq. ft. the PRTU rooftop controller acts as the main thermostat for the RTU and can be used when implementing a Price Zoning System solution. With its intuitive Setup Wizard for configuration, plug & play connections for MS/TP BACnet, and thermostat, this controller is quick and easy to set up for installing contractors.

+ Heat Pump Control
+ Static Pressure Control
+ Discharge Air Temperature (DAT) Control
+ Dedicated Outdoor Air System (DOAS) Control
+ Networked Voting Strategy Operation
+ Designed to network with Price Controllers via BACnet communication
+ Up to 30 Zones max
+ Stand-Alone RTU Operation
+ **Inputs**
  + 2 x Binary (Dry Contact)
  + 12 x Analog (Thermistor & Voltage type)
+ **Ouputs**
  + 10 x Binary (24vac)
  + 4 x Analog (0-10vdc)
+ Discharge and Return Air Temperature monitoring
+ Built-in Motion Sensor & Weekly Schedule for Occupied/Unoccupied scheduling
+ Night Setback Operation
+ BACnet MS/TP communication protocol
+ Setup Wizard Configuration for quick onsite setup

TERMINAL UNIT CONTROLLER



NETC35

PIC

The PIC is an advanced and configurable full DDC proportional integral (PI) zone controller that allows for exceptional user comfort and energy efficiency. Installation of the controller and thermostat is simple and error proof with RJ-45 connections to the thermostat. All Price thermostats, except the wireless model, have a RJ-12 service port allowing setup and configuration without requiring access to the plenum. The PIC controller can be provided pre-programmed with a sequence to fit your desired application.

+ Fast and error-proof RJ-45 thermostat connections
+ Integrated actuator
+ Five 24 VAC binary outputs field selectable between hot and common switching
+ Four fully configurable 0-10 VDC analog outputs for heating, cooling, fan and auxiliary
+ Pluggable terminal blocks for easy field wiring
+ Diagnostic LEDs for BACnet and controller status
+ Optional BACnet MS/TP and VAV flow sensing

Thermostat Options

All Price thermostats measure room temperature and establish temperature set points to limit minimum and maximum setpoints

+ CO2/RH Thermostat (PIC-TS-CO2H)
+ LCD Thermostat (PIC-TS-LCD)
+ LCD Thermostat with Motion Sensor (PIC-TS-MOTION)
+ Dial Thermostat (PIC-TS-DIAL)
+ Room Sensor Thermostat (PIC-TS-SENS)
+ Wireless Thermostat (PIC-TS-WIRELESS)

PIC-SD
Price Intelligent Controller - SD

The PIC-SD is an advanced and configurable full DDC proportional integral (PI) zone controller that allows for exceptional user comfort and energy efficiency. Installation of the controller and thermostat is simple and error proof with RJ-45 connections to the thermostat. All Price thermostats, except the Wireless model, have a RJ-12 service port allowing setup and configuration without requiring access to the plenum. The PIC-SD controller can be provided pre-programmed with a sequence to fit your desired applications.

+ Fast and error proof RJ-45 thermostat connections
+ Integrated Belimo actuator
+ Two fully configurable 24 VAC binary outputs for cooling, heating and fan
+ Two fully configurable 0-10 VDC analog outputs for cooling, heating and fan
+ Built in BACnet MS/TP and VAV flow sensing
+ Pluggable terminal blocks for easy field wiring

NETC35

Thermostat Options

All Price thermostats measure room temperature and establish temperature set points to limit minimum and maximum setpoints

+ CO2/RH Thermostat (PIC-TS-CO2H)
+ LCD Thermostat (PIC-TS-LCD)
+ LCD Thermostat with Motion Sensor (PIC-TS-MOTION)
+ Dial Thermostat (PIC-TS-DIAL)
+ Room Sensor Thermostat (PIC-TS-SENS)
+ Wireless Thermostat (PIC-TS-WIRELESS)

SELF MODULATING DIFFUSER

PPD
Prodigy® Series - Square VAV Diffuser

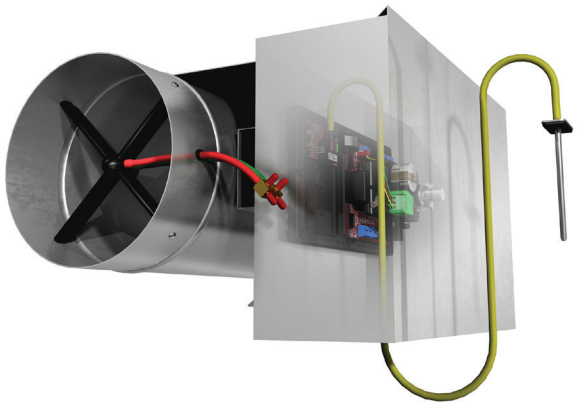
The Prodigy series of VAV diffusers enhance traditional system design by adding the element of personal control. A room temperature sensor provides constant feedback to the microprocessor controller located in the diffuser, enabling precise monitoring of individual space temperatures. Using the room, duct and setpoint temperatures, the Prodigy modulates supply air to maintain comfort in the space. Associated Drone Diffusers can be connected to a Master Diffuser for larger spaces that require control.

NETC35

Thermostat Options

All Price thermostats measure room temperature and establish temperature set points to limit minimum and maximum setpoints

+ CO2/RH Thermostat (PIC-TS-CO2H)
+ LCD Thermostat (PIC-TS-LCD)
+ LCD Thermostat with Motion Sensor (PIC-TS-MOTION)
+ Dial Thermostat (PIC-TS-DIAL)
+ Room Sensor Thermostat (PIC-TS-SENS)
+ Wireless Thermostat (PIC-TS-WIRELESS)
+ DISIO (Hardwired)



PCV

The Price Pressure Control Valve (PCV) is designed as a pressure control valve to regulate duct pressure in a Pressure Independent or Pressure Dependent system.

The PCV uses either a field calibrated electric or PIC DDC controller to ensure that over or under pressurization of the duct will not occur.

Typical Applications

The PCV can be used as either a bypass unit or as a throttling device

Bypass Application

In the bypass application, static pressure is normally measured 2/3 down the longest duct run. The PCV will bypass main supply air to a plenum or air handler return to maintain duct static pressure at a constant setting.

Throttling Application

In the throttling (or downstream) application, placing a static pressure sensor downstream of a PCV unit will allow for control of the pressure supplied to the VAV diffusers. The control valve is designed to maintain duct static pressure through adjustment of a control damper.

PRIMACARE COMMUNITY F.H.T.
STOP
MEETING ROOM
IMPORTANT NOTICE
201
PRIMACARE COMMUNITY FAMILY HEALTH TEAM
BOARD ROOM

Project: **Brant Community Health**

Location: **Hamilton, ON**

Engineer/Architect: **DEI Engineering**

Price Representative: **EH Price Sales Hamilton**

Products: **Price Rooftop Unit Controller (PRTU)**
Price Intelligent Controller (PIC)
Price Control Valve (PCV)
Web Server

Background:

- Two story medical office building with physio, pharmacy, blood clinic services
- [11] Rooftops utilizing the PRTU controller for each
- [100] VAV boxes using the PIC controller cooling only and reheat units
- [1] Price Web Server as BMS for monitoring and control of BACnet devices

19349
This fire hydrant is
controlled by OS&Y
on Velico Parkway

Project: **TD Ameritrades**

Location: **Various Locations in USA**
Engineer/Architect: **MKK Consulating Engineers Inc.**
Price Representative: **CFM Company**
Products: **Price Rooftop Unit Controller (PRTU)**
Price Intelligent Controller (PIC)
Price Control Valve (PCV)
Web Server

Background:

Over 35 TD Ameritrade locations throughout the US, from Cupertino, CA to Jacksonvile, FL.

Each TD Ameritrade utilizes the following Price Controls:

- PRTU's for each rooftop unit
- PIC controllers for each Price Terminal unit (Zone or Bypass)
- Prodigy Diffusers for offices spaces
- Price Web Server as BMS for monitoring and control of BACnet devices

17

Dalton Timmis Group
Dalton Timmis Group

Project: **Kamisa Investments**

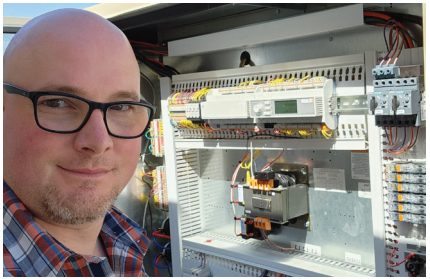
Location: **Burlington, ON**
Engineer/Architect: **Brant Engineered Systems Technology Inc.**
Price Representative: **EH Price Sales Hamilton**
Products: **Price Rooftop Unit Controller (PRTU)**
Price Intelligent Controller (PIC)
Price Control Valve (PCV)
Web Server

Background:

- Six story medical office building with a wide range of clients
- [3] AHU's utilizing the PRTU controller for each
- [100] VAV boxes using the PIC controller cooling only and reheat units
- [1] Price Web Server as BMS for monitoring and control of BACnet devices

MANUFACTURING

COMMISSIONING



TRAINING

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