



# PLON

## *Unit Ventilator Controller*

- Designed specifically for controlling unit ventilators, one controller looks after all functions.
- Easily integrates into any new or existing building automation control system (DDC) using a LonMark® network.

The PLON was designed and built to control unit ventilators. No matter what type of heating or cooling package your unit ventilator has, the PLON can control it.

The PLON can be integrated in any LonMark® network, new or old. Using an open-source protocol means no more lock into a manufacturer specific control packages. The PLON gives the flexibility to fit any application and will work with any other LonMark® compatible device.

### **LonMark® compatibility - open communications**

The PLON is a LonMark® compatible device. Using a TP/FT-10 network allows the PLON to talk to other devices on the LonMark ® network.

The LonWorks® system gives the user ability to administer and manage the device from anywhere on the network. As well, it also allows others device to talk to and receive information back from the PLON.

### **All-In-One Package**

The PLON is an all-in-one package controller solution. It controls all functions of the unit ventilator from heating/cooling to ventilation. By combining a CO2 controller and a Remote Interface Module you now have an extremely energy efficient control package.

## PLON OPTIONAL EQUIPMENT



### Remote Interface Module

Provide the user with the space temperature, space humidity, occupancy mode, unit status and timed occupied duration remaining. Can be ordered with no LCD display. Standard model comes with temperature sensor, humidity sensor is optional.



### Occupancy Detector

Used in conjunction with or without scheduler. During normally unoccupied periods will for the unit into time occupied mode for a programmed time duration.



### CO<sub>2</sub> Controller

Prevents over-ventilating a room and wasting energy. Ventilation rate is controlled by the actually number of occupants, not the rooms maximum occupancy. Programmable to have complete outdoor damper control or partial. Partial meaning the outdoor damper will only close until the programmed minimum position.

## MAIN FEATURES

- Heating - Modulated or 2-Stage
- Cooling - Modulated or 2-Stage
- Supply Fan - Modulated or Single Speed
- ERV Fans - Single Speed Supply & Exhaust
- Outdoor Damper - Modulated
- Digital Temperature Sensors - 0.06°C/0.11°F Resolution
  - Space Temperature
  - Discharge Air Temperature
  - Outdoor Air Temperature
  - Return Air Temperature
  - ERV Exhaust Air Temperature
- Occupancy Sensor Input (sold separately)
- Window/Door Contact Input (sold separately)
- 2 x Current Sensor Inputs
- CO<sub>2</sub> Controller Input (sold separately)

## OPERATING MODES

- Occupied
- Unoccupied
- Stand-by
- Timed Occupied
- Slave

## REMOTE INTERFACE FEATURES

- LCD Display
- Temperature Sensor
- Humidity Sensor
- Setpoint Adjustment
- Mode Indicator
- Timed Occupied Override

Copyright © 2008 PIC Electronics  
All brand names, trademarks and registered trademarks are the property of their respective owners. Information contained within this document is subject to change without notice.  
All rights reserved.

