

MANUAL – QUICK START GUIDE

Price Intelligent Controller

PIC Series

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PRICE INTELLIGENT CONTROLLER

QUICK START GUIDE

Support: Having difficulty installing or configuring this product? Price is here to help.

Controls Application Support: 204.654.5613 | controls@priceindustries.com | priceindustries.com/resources/type/literature

Instructions

Mount the PIC by sliding the actuator U-bolt over the damper shaft. The back end of the PIC is secured by installing the white plastic keeper (tied to the actuator motor with an elastic band) with two sheet metal screws.

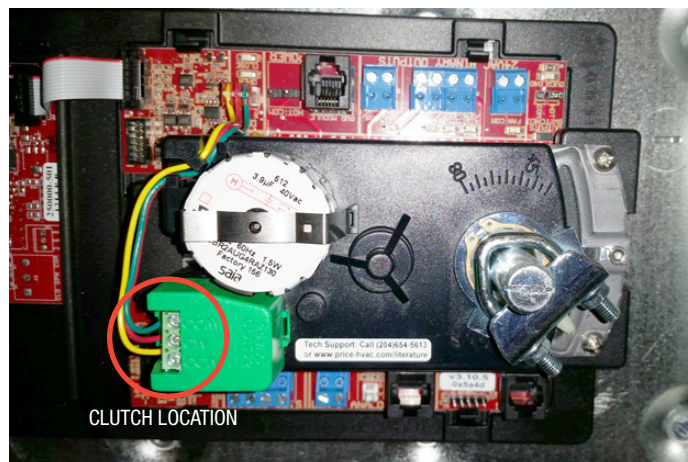
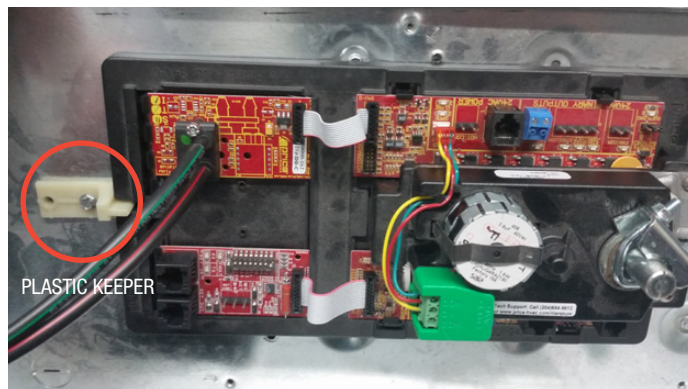
This keeps the PIC from moving when the actuator is turning, but still allows it to “float” to avoid binding on the shaft if the controller were screwed firmly in place.

Rotate the damper shaft all the way in one direction (either clockwise or counter-clockwise) and then depress the gray pivot clutch on the actuator, located directly below the green terminal block, to unlock the actuator. Rotate it all the way in the same direction the shaft was rotated in.

Tighten the nuts on the U-bolt clamp and secure the actuator to the damper shaft.

Depress the clutch again and verify the actuator and shaft can rotate through the full 90° range of motion.

NOTE: It does not matter if you choose clockwise or counter-clockwise to rotate the shaft and actuator before tightening the nuts. The PIC will calibrate on power up. All that matters is that the damper shaft and actuator have the full 90° range of motion.



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Once the controller is correctly installed on the terminal unit, there may be some configuration necessary. The below instructions detail entering the service menu to enter in airflows that the PIC will control to.

For more advanced setup details, please refer to the PIC Installation and Service Manual on www.priceindustries.com.



Enter the service menu by holding down the **Menu** button on the LCD Thermostat for **5 seconds** until prompted for a passcode; use and to enter the passcode; **DOWN, UP, UP, DOWN.**

SERVICE MENU:
APPLICATION

The screen will now display “Service Menu: Application.” The default application is for a terminal unit; other applications include fan coils, dual ducts, etc. For single duct and fan powered terminal applications, leave the default terminal unit setting. **Most field installed applications do not require going into this menu.**



SERVICE MENU:
VAV



Scroll down to the VAV sub-menu.

DUCT SIZE:
8 INCHES



Press the **Menu** button to enter this menu.

The VAV menu is where the inlet size and min/max airflows get configured. The default inlet size is 8”. Set the inlet size by pressing **Menu**. The value will now be flashing, meaning it is ready to be changed, and scroll **UP** or **DOWN** to select a new value. Press **Menu** to save.



COOL MIN FLOW:
132 CFM



COOL MAX FLOW:
500 CFM

HEAT MIN FLOW:
300 CFM



The cool min/max, heat min/max and neutral airflows will also need to be adjusted. Each of these values needs a real number entered. Even if a rooftop/air handler is cooling only, you still must enter a heat min and max airflow value. The controller will target the heat min value when the space is calling for heat if the air supplied to the terminal is cold. **This is especially critical for terminals with electric reheat coils, as the heat min needs to be set to supply sufficient air across the coil to prevent overheating.**

DPR DIRECTION:
NORMAL

After inlet size and airflows, the only other thing that may be required to set is the damper direction. This must be set to normal (default) for all VAV types except for Model LGB sliding gate bypass dump boxes; these terminals require reverse damper direction.

Other parameters should not be touched. Damper runtime must remain at 95 seconds; this is because the actuator on the PIC is a 95 second actuator and increasing this value in the thermostat won't make the actuator run faster. Consult the PIC Installation and Service Manual on www.priceindustries.com for any other configurable setting or menu options.

This document contains the most current product information as of this printing.
For the most up-to-date product information, please go to priceindustries.com

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