



Precise Comfort Control

Precise Comfort Control PCC 50-CO2

Controls Solutions
for ERV Equipment



PCC 50-CO2 Applications

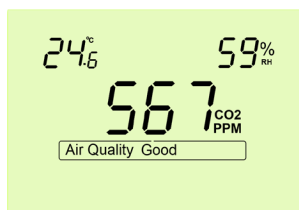
The PCC 50-CO2 requires very little user interaction. It will monitor the levels of carbon dioxide, humidity and temperature in the local environment and is capable of initiating alarms and corrective action if any of these exceed pre-set levels.

If enabled, the user can press the "Force Fresh Air" button which will bring in fresh air.

The "Force Fresh Air" button will flash when pressed to indicate that the heat recovery unit is running.

The PCC 50-CO2 backlight can also change colour from green, to amber then red to visually indicate the quality of the air in the room in a clear manner, if enabled.

Intuitive Display

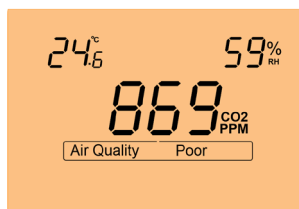


Green

This display shows that the indoor air quality is within an acceptable range.

No user action is required.

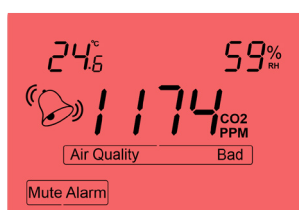
0-10V signals are monitoring the conditions as they change.



Amber

The level of CO2 (in this example) is rising, caution is advised. Begin corrective action such as opening a door or window.

0-10V signals are increasing so ventilation system can introduce clean air.



Red

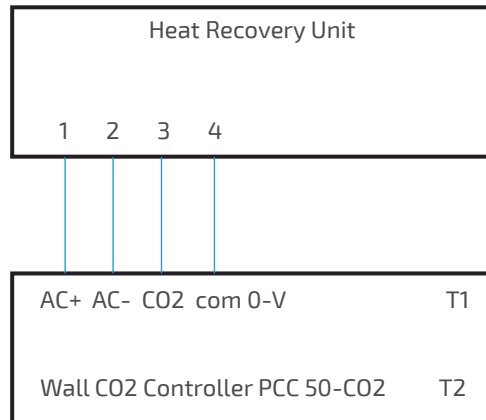
The level of CO2 is high. Exit the building.

Audible and visual alarms have begun.

Automated systems should now be running to return the air to acceptable quality.

The onboard communications system is reporting the IAQ conditions to any Building Management System connected.

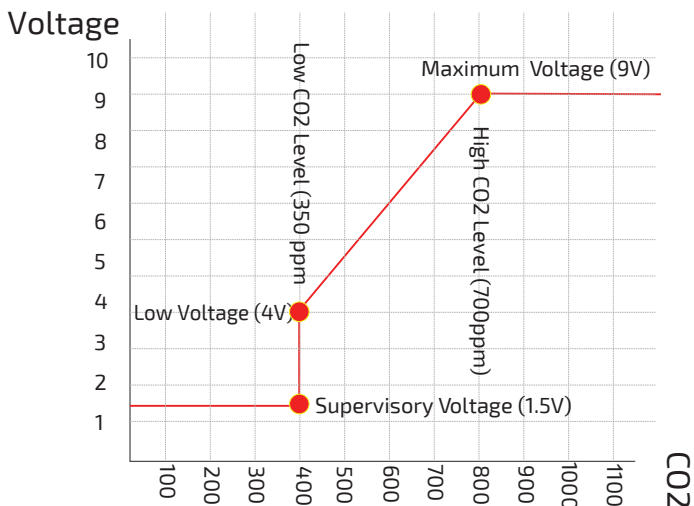
Wall Mounted Controller for ERV Applications



4 Core Control Wiring

Advanced 0-10volt output logic

The PCC 50-CO2 has advanced 0-10v output logic that will permit you to scale the individual 0-10V output for each of the three sensors, CO2, Temperature and Relative Humidity. In the given example you can define the minimum CO2 threshold and voltage as well as the maximum voltage and CO2 level. This will permit you to control and scale a damper or VSD directly from the PCC 50-CO2.





Fresh Air Indoors

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