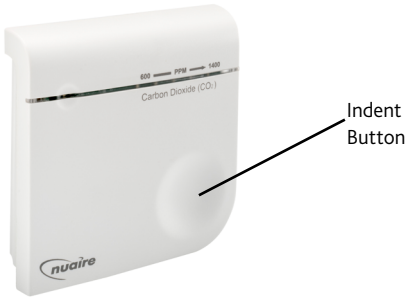
DRI-ECO-CO2

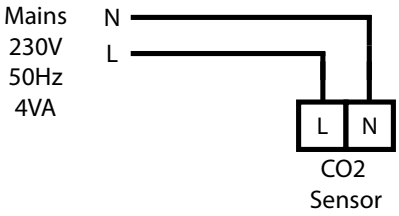
Drimaster CO2 Sensor Installation and Maintenance

The EMC Directive 2014/30/EU
The Low Voltage Directive 2014/35/EU

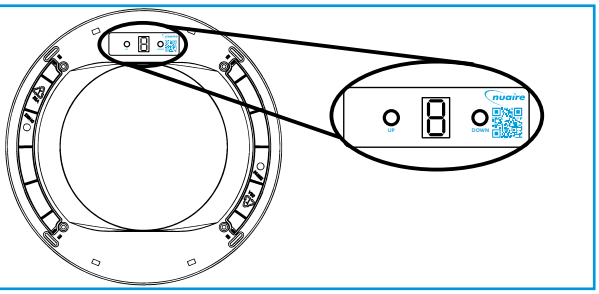
1.0 Installing a CO2 Sensor (DRI-ECO-CO2)



The CO2 sensor requires a 230V power supply. The front panel of the CO2 sensor must first be released by pressing in the plastic fixing lug located on the bottom edge of the sensor. The panel may now be removed allowing access to complete the sensor wiring. Finally the sensor should be mounted on the wall in a suitable location (screws not provided).



1.1 Unit Binding Mode



Where a CO2 sensor is present, it must first be bound to the fan unit before it can work. In order to bind the sensor(s) the fan must be in binding mode. The steps required to enter binding mode are shown below.

1. Ensure the fan unit is powered on.
2. Unit will enter the start-up sequence for 2 minutes when first powered on. Press the down button on the ceiling diffuser control panel once, to exit the start-up sequence.
3. Press and hold the both the UP and DOWN buttons for 20-30 seconds then release. A single horizontal bar on the display flashes.
4. Press "down" to enter binding mode (binding mode lasts for 5 minutes).The unit will now display a flashing 'b' to indicate it has entered binding mode.

Note: Solid "P" indicates boost, flashing "b" indicates binding mode.

1.2 Binding the Sensor

Putting the unit into binding (see 1.2) before powering the sensors will **automatically** bind the sensors to the unit. However if they do not bind follow the below steps.

1. Put the unit into binding mode (see 1.2).
2. Power up sensors (insert batteries for humidity, mains for CO2).
3. Tap indented button then hold until left hand LED flashes red/green (ignore red/blue and continue to hold). Release button whilst flashing.
4. Tap indented button again, whilst red/green LED is still flashing.
5. Close binding window on fan control panel by holding both "up" and "down" for 5 seconds and release.
6. Check sensor has bound by tapping indented button and look for left hand LED to go green. If it displays red, repeat from step 1.

1.3 Setting the Sensor Set Point

The sensors will automatically trigger the fan to increase speed once the sensor set point has been exceeded. To change the sensor set point, press and hold the indent button until the status indication LED flashes BLUE/RED then release, the green LED's illuminate to show the current sensor set point. Press the button to cycle through all allowed values, and press and hold to confirm choice. If the button is not operated for 10 seconds the set point currently selected is stored.

1.4 Indicator LED's

The sensors and switches include an LED which illuminates when a button is pressed. A green light shows that communication between the sensor or switch and the fan unit is taking place. A red light shows that no communication is taking place and binding may be required.