

Connected Humber CIC Air Quality Sensor

Installation Notes



The sensor is supplied pre-fitted to the post clamp. It should be mounted in the orientation shown, with the cable entry at the bottom and the two vent pipes pointing downwards.

The sensors are pre-configured for the LoRa network and will begin transmitting data as soon as they are powered on.

There should be no need to remove the cover to configure a sensor.



The sensor must be powered from the supplied 5-volt power unit. If you wish to replace the supplied cable you can remove the cover to access the terminal block inside the unit.

If you do need to remove the cover you should take care not to lose the retaining screws as these are not captive and ensure that the water tight seal is tight when the cover is re-fitted.

The power cable is connected to a terminal block inside the device as shown. Ensure that the device is only supplied with 5 volts and that correct polarity is observed.

Sensor Names

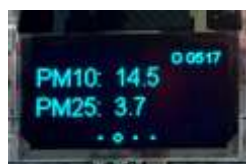
Each sensor is marked with its name on the top and on the back plate. Ensure you make a note of the name of the sensor deployed at each location and let us know so that we can display the sensor readings at the correct point on the map.

Operational Display

During operation the orange LED on the microcontroller will flash. The screen will cycle through four displays:



Sensor name



Particle readings



Environment



Packet sent count

The number displayed in the top right-hand corner is the countdown in seconds to the next transmission. The letter displayed before the countdown number is either O-sensor off, W-warming up the air quality sensor or R-preparing a reading for transmission via LoRa.