

i-Con – NV Room Sensor

The *i-Con* system range of temperature and CO₂ sensors are designed for specific use with the *i-Con* main system controller. Providing manual override louvre control e.g. open, close & auto together with CO₂ level traffic lights.



Key Features

- Designed for exclusive use with *i-Con* system controller only
- 24V DC supply voltage
- Extra low voltage power supply from main controller for occupant safety
- Easy to install-only two wires-not polarity sensitive
- Standard UK single switch size/fixings
- Provides feedback indication via Traffic Lights of CO₂ levels
- Auto or local override buttons
- Timed override if required 30 mins to 3 hours with auto revert (at the termination of timed override)
- Modern aesthetically pleasing appearance
- State of the art active CO₂ sensing element
- Unique coms, over power line conductors
- Addressable internally to match the main controller terminal configuration
- Linked to the pre-programmed control algorithms via dedicated main controller terminal configuration
- Designed with unique ventilation slots – increase air flow and sensing accuracy
- Made from recycled ABS material
- Dimensions 86 x 86 x 25mm
- Recommended mounting height 1.7m FFL
- Dry lining walls should be sealed around cable entry to ensure correct operation

Specification

- Sensing elements Temperature & CO₂
- CO₂ measuring range 0 ~ 2,000ppm
- CO₂ measuring accuracy +/- 30ppm or 5%
- Sensing element Non dispersive infrared detector
- Temperature measuring range 0 ~ 500C
- Temperature accuracy 1% at 250C
- Connection to main controller 2 Wire cable – not polarity sensitive



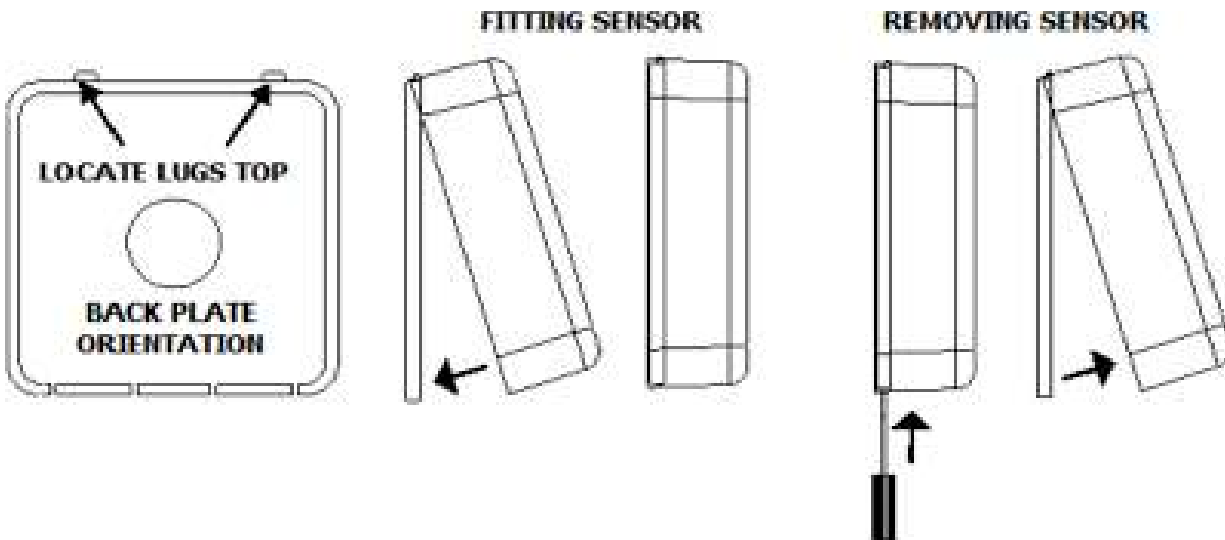
3 Mill Pool, Nash Lane, Belbroughton, Worcestershire DY9 9AF

T: 01562 730874

E: info@clarksoncontrols.co.uk

W: www.clarksoncontrols.co.uk

Removing and Fitting Front Face



i-Con NV Room Sensor Connection Diagram



Two core cable twisted pair outer screen typically (Beldon 8760). Connections non-polarity sensitive
From the *i-Con* main controller up to 8*
i-Con NV Room Sensors can be connected.

Preferred configuration - daisy chain.

i-Con NV Room Sensor device address rotary switch settings should be set to A, B, C or D.

Each device must have its own address as above and sensor addresses cannot be duplicated i.e. two A's

Note:- Maximum of 8* *i-Con* NV Room Sensors can be connected to the main controller using a two core cable as above.

The *i-Con* NV Room Sensor can only be used with the *i-Con* control system.

*depending upon scheme



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