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## Newlec DALI Occupancy Detector (Ceiling Mounted) NL5701DALI



### Product description

This flush mounted ceiling mount Newlec DALI Occupancy Detector has full DALI flexibility and is the intelligent sensor element of the DALI Occupancy Detector system. It can automatically address the lighting ballasts without the need for expensive controllers. The DALI Occupancy Detector is switched on by the detection of moving body heat within a specified range. When this moving body heat is no longer detected the unit will dim down the luminaires and eventually switch off. It will also automatically harvest\* available daylight to maximise energy savings. With the Newlec DALI Remote Control (NL5711) it is possible to set dimming time delays and Room and Corridor options. There are also helpful coloured feedback LEDs on the DALI Occupancy Detector to make programming easier.

The DALI connections are made to the DA DA bus lines. There is no polarity but it is advisable and good practice to keep wiring colours to the same connections for consistency. Absence detection on the Newlec DALI system can easily be achieved with the addition of a standard 1 gang 1 way switch. If 2 way and intermediate switches are required these can also be connected in to the terminals. To turn this DALI Occupancy Detector from a presence detector to an absence detector simply connect an ordinary on/off switch to the A and A Absence Control lines and the DALI Occupancy Detector can be switched between presence and absence mode as desired.

The Newlec DALI Occupancy Detector requires connection to the Newlec DALI Power Supply (NL5712) via the Newlec DALI Multi-Purpose Connection Box NL5713). The Power Supply Unit supplies the power to the DALI Occupancy Detector and the luminaires in the network.

\*Daylight harvesting simply means that the Newlec DALI Occupancy Detector sensor takes account of how much natural light is available and increases or decreases the brightness of the lighting that you require in your room or zone. As a result, you use less power, save energy and reduce your lighting costs.

## Key features

- Presence and Absence Detection.
- Automatic Daylight Harvesting.
- Settable Time Modes including 4 Room Options and 4 Corridor Options.
- Basic Luminaire set up without expensive commissioning tools.
- Broadcast Mode.
- Group Modes (can be programmed with the NL5711 Newlec DALI Remote Control).
- Lux Level Adjustment on the DALI Occupancy Detector and Remote Control.
- Sensitivity Adjustment on the DALI Occupancy Detector.
- Test Mode (10secs) for walk testing the DALI PIR range
- 360° Detection.
- 6-7 m detection range.
- Coloured Feedback LEDs.
- Suitable for all DALI load types.
- Flush Mounting – 70mm Minimum void depth and 65mm diameter cut required.

## Technical details

- 18V d.c. 250mA
- Complies with IEC 62386-101,-102,-103
- Power Consumption 0.15W
- Flame Retardant ABS material

## Date Completed by Manufacturer

9<sup>th</sup> February 2016

## Manufacturers Address

Newey & Eyre, Eagle Court 2, Hatchford Way, Birmingham B26 3RZ