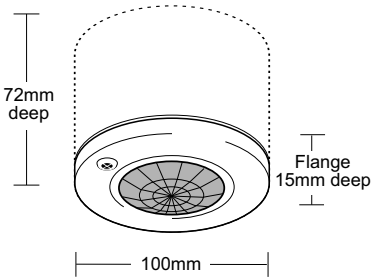
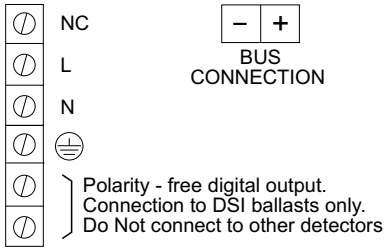
Dimensions

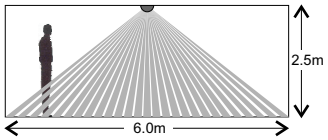


Electrical Connections



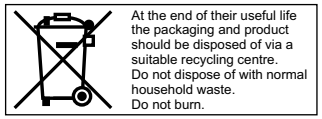
Technical Data

CABLE: 1.5mm^2 unscreened twisted-pair
MAXIMUM RECOMMENDED MOUNTING HEIGHT: 3.0m
OPERATING VOLTAGE: 230V 50Hz
PRODUCT RATING & RECOMMENDED CIRCUIT PROTECTION: 10A
RANGE: Cone-shaped detection pattern, diameter (at floor level) = 2.4 x mounting height



WEIGHT: 200g
COLOUR: White
MATERIAL: Flame retardant ABS
IP RATING: 53
OUTPUT: 2-wire digital polarity free (max extended cable length: 12m)
OUTPUT CAPACITY: 8 DSI ballasts
PHOTOCELL: Regulating
OFF DELAY: 5-60 minutes
POWER CONSUMPTION: <10W

Thorn Lighting Limited
www.thornlighting.com

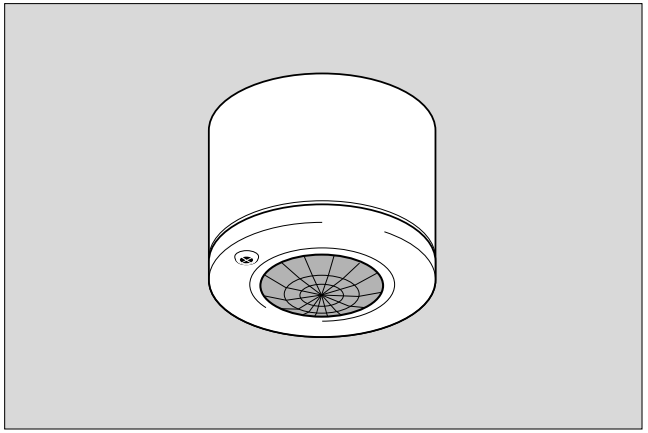


W4113D

THORN

SENSALINK MSF SENLDDSI (96013500)

SensaLink detector, ceiling mounted, surface, for DSI ballasts (formerly known as SLKDRSM)



Installation and Commissioning Instructions

SENSALINK MSF SENLDDSI (96013500)

Note: Connections to this equipment should be made by a suitably qualified person and in accordance with the current wiring regulations.

Fixing

The housing may be secured to a hard surface or a BESA box. The unit fits into the housing with a simple bayonet action.

Note: Do not mount within 25cm of a luminaire.

Connection

Each luminaire to be controlled must contain a digital regulating type ballast with the appropriate DSI input. Connect all ballasts in the control group (maximum 8) in parallel and also to the polarity-free digital ouptut of the Detector.

Each luminaire is controlled completely by its digital input and therefore would normally have a permanent power supply. Turning the power off to some lights within a control circuit will not affect the operation of those that remain powered-up.

The Bus must be connected to the bus wiring network. A Bus Power Supply is required for each network. Please refer to Bus Power Supply installation instructions prior to commencement of any bus wiring.

It is imperative that the bus is wired with the correct type of cable; normally it should be 1.5mm^2 unscreened twisted pair.

Do not connect mains to the bus.

Important Additional Notes

1. All terminals on this product are provided for final connections. It is not intended that the product be used as a junction box for looping cables.
2. A means for disconnection must be incorporated in the fixed wiring in accordance with the current wiring regulations.
3. Although nominally 12V, the dimming output is not SELV and therefore should be treated with the same respect as mains with regard to wiring practice. The 0V line of the dimming output is almost at Neutral potential.
4. The dimming control output should be connected only to the control input of the ballasts - never to other detectors.
5. This equipment should be used to control only those ballasts powered from the same phase as the detector.
6. Due to the fact that the photocell is on the ceiling looking down, it is not possible for measurements made with a lux meter on the working plane to remain constant when daylight illuminates the ceiling and the working plane to a differing extent. Therefore, products of this type should be regarded as capable of maintaining an APPROXIMATE light level only.

Commissioning

Detectors are supplied factory pre-set which ensures the lighting will switch on automatically as soon as power is applied. Final commissioning of the detectors, including assigning to groups, requires the use of the SENSALINK SENLP Programmer. Please refer to SENSALINK SENLP instructions for comprehensive commissioning instructions.

Commissioning Detectors using the SENSALINK SENLP (96102983)

1. Switch on SENSALINK SENLP by pressing the red power button.
2. Point SENSALINK SENLP at detector and press the DOWNLOAD button. The SENSALINK SENLP will confirm the product's identity and call up the correct menu of parameters and their current settings.
3. Use a combination of UP, DOWN, FORWARD and BACK buttons to navigate the parameter menu, selecting options for each shown. (See Tips below.)
4. When options for all parameters have been selected, point the SENSALINK SENLP at the detector and press the UPLOAD button. The luminaire(s) will switch off briefly during the programming process and the SENSALINK SENLP shows DATA OK to confirm operation.
5. After a short period of inactivity (default 5 minutes), the SENSALINK SENLP hibernates retaining the most recent settings.

Tips

i) Where there are only two options such as ON/OFF, a double click of the OK button toggles between them.

ii) Where there are multiple options, a double click of the OK button recalls a list of all options for that parameter. Use the UP, DOWN and OK buttons to select.

iii) Use the OK button to go forward (through the menus) without displaying help pages.

iv) Press UPLOAD at any time to transfer all current settings from the handset to the product.