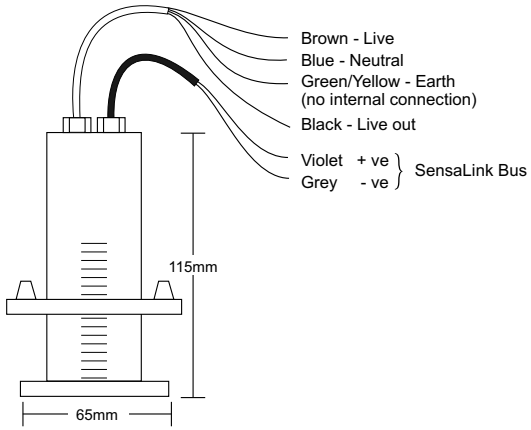
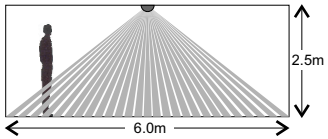
Electrical Connections

96100101



Technical Data

SensaLink CABLE: 1.5mm^2 unscreened twisted-pair
RECOMMENDED MAXIMUM MOUNTING HEIGHT: 3.0m
RANGE: Approx 6m dia at 2.4m ceiling height



OPERATING VOLTAGE: 230V 50Hz
PRODUCT RATING & RECOMMENDED CIRCUIT PROTECTION: 10A
CAPACITY: Maximum load 6A (any type of lighting load)
OUTPUT: Switching
PHOTOCELL: Passive
OFF DELAY: 5-60 minutes
DEPTH REQUIRED BEHIND CEILING: 125mm
WEIGHT: 70g excluding cable
COLOUR: White
MATERIAL: Flame retardant Poly Carbonate / ABS
IP RATING: 40
POWER CONSUMPTION: <10W

Thorn Lighting Limited
www.thornlighting.com

At the end of their useful life the packaging and product should be disposed of via a suitable recycling centre.
Do not dispose of with normal household waste.
Do not burn.

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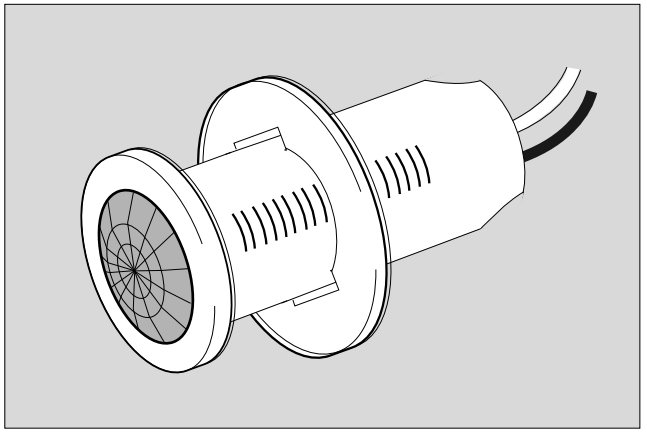
THORN

SENSALINK MRE SENLDSW (96100101)

SensaLink Detector ceiling mounted, recessed, with relay output (formerly known as SLKDPF)



INSTALLATION AND COMMISSIONING INSTRUCTIONS

SENSALINK MRE SENLDSW (96100101)

Only suitably qualified personnel should install this equipment.

The SENSALINK MRE SENLDSW is equipped with a passive photocell designed to hold lights off when areas become occupied if the daylight contribution is high and to switch lights on in occupied areas as the daylight contribution falls. Please note that the photocell will not switch lights off in occupied areas.

Fixing

The SENSALINK MRE SENLDSW detector is suitable for flush-mounting in a suspended ceiling tile, maximum 54mm thick with a minimum clearance of 125mm between the front surface of the tile and the hard ceiling behind. It should be mounted in the centre of the group of luminaires to be controlled. Cut a 50mm diameter circular hole in the tile, feed the flying leads and detector through the hole and secure in position with the locking ring. Twist the locking ring to release the detector if necessary.
Note: Do not position within 25cm of a luminaire.

Connection

The SENSALINK MRE SENLDSW is supplied with two flying leads. The mains lead should be taken to the nearest 230V supply. Control of a group of luminaires is achieved by connecting all the luminaires in a group (typically four) in parallel with the switched live output of the SENSALINK MRE SENLDSW. The SensaLink Digital Bus connection must be connected to the SensaLink Digital Bus wiring network to enable communication with the rest of the system. A SensaLink Bus Power Supply is required for each network of up to SensaLink Digital Detectors. Please refer to Bus Power Supply installation instructions prior to commencement of any bus wiring.

It is imperative that the SensaLink 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 SensaLink bus.

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 (96102983) Programmer. Please refer to SENSALINK SENLP instructions for comprehensive commissioning details.

Commissioning Detectors using the SENSALINK SENLP (96102983)

It is important that the SENSALINK SENLP be held perpendicular and at a distance of between 0.5m and 2m from the detector.

1. Switch on the SENSALINK SENLP by pressing the red power button.
2. Point the SENSALINK SENLP at the 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.)
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.

Setting the Photocell

The light level should be set at a time when the ambient light level is equal to the level at which it would be desirable for the photocell to become active. This can be achieved in the following ways:

1. Wait until the appropriate time of day.
2. Create the desired level by turning lights on or off as required and/or opening or closing window blinds etc.

At this point the photocell can be commissioned correctly.

Setting the photocell using an SENSA SENP (96004189)

1. Point the SENSA SENP at the detector from a distance of about 1m and press the 'Store' button.
2. The lights will acknowledge the command - i.e. turn on if they were previously off or briefly turn off, then back on, if they were on at the start of programming.

Setting the photocell using an SENSALINK SENLP (96102983)

1. 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.
2. Select UTILITIES, then USER REMOTE.
3. Select SCENE 1 in the display while pointing the SENSALINK SENLP at the detector (as in any programming operation). Press and hold the OK button until the lights acknowledge the command - i.e. they either turn on if they were previously off or briefly turn off, then back on, if they were on at the start of programming.

Setting the photocell using an SENSALINK SENLRC (96102981)

1. Point the SENSALINK SENLRC at the detector.
2. Press and hold the '1' button until the lights acknowledge the command - i.e. they either turn on if they were previously off or briefly turn off, then back on, if they were on at the start of programming.

Important Additional Notes

1. A means for disconnection must be incorporated in the fixed wiring in accordance with the current wiring regulations.
2. This equipment switches lights no more frequently than would a responsible human occupant. However, for some luminaires a maximum number of switching cycles is specified in order to achieve a predicted lamp life.
3. In all cases, the photocell will make its measurement and store it in non-volatile memory (i.e. the set-point will be retained in the event of power loss).