Safety Information

>All electrical work must be undertaken by a qualified contractor to ensure compliance with latest edition BS7671 and IEE/IET wiring regulations.

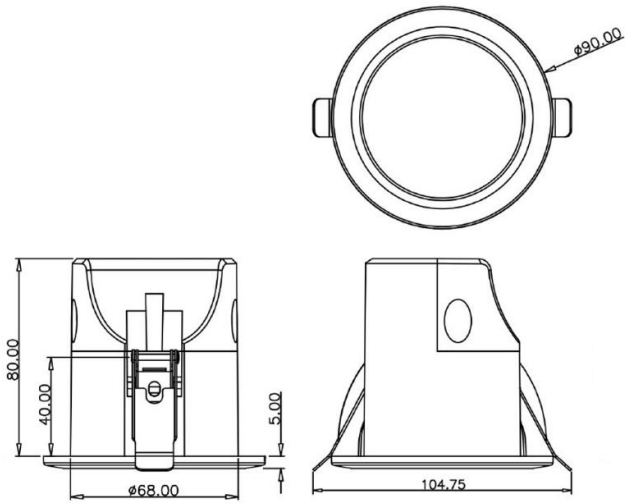
> Before installing the Microwave Motion Sensor or doing any maintainance, ensure power supply is turned off at the circuit breaker or fuse box.

> This product is designed for permanent connection to fixed wiring; the circuit should be protected with the appropriate MCB or fuse.

Environment

>Please DO NOT dispose of electrical items or packaging as unsorted waste. Use the recycling facilities provided by your local authorities.

PRODUCT DIMENSIONS



All units are in mm

Important Warranty Information

The Microwave Motion Sensor has a 5 year warranty. To claim, you must provide the product part number and date of manufacture, which can be found on the label attached to the sensor housing along with the original purchase invoice.

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NET LED® LIGHTING

MICROWAVE MOTION AND DAYLIGHT SENSOR INSTALLATION GUIDE

DALI MICROWAVE MOTION AND DAYLIGHT SENSOR NET-42-43-40

KEY DATA

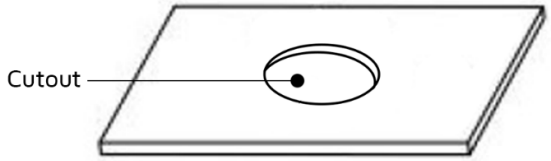
Input Voltage AC	120-277V
Power Frequency	50/60Hz
Maximum Detection Distance	5m
Duration	5s - 30min
Detection Angle	150° (Wall) 360° (Ceiling)
Operating Temp.	-25°C to +50°C
IP Rating	IP20
Lux Levels	5 - 150 Lux or Disabled
Warranty	5 Years
Manufacturer	Merrytek

UK CA CE

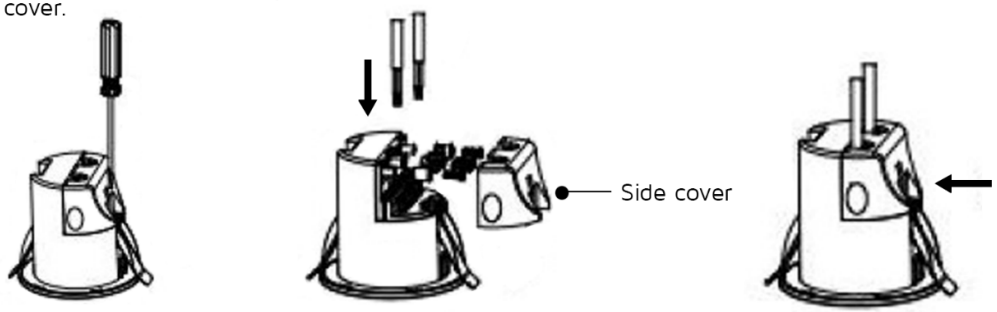
Installation procedure: Carefully read the instructions and ensure the mains supply is isolated before installation. Please follow the safety information overleaf before carrying out any installation. Please retain this leaflet for future reference.

Microwave Motion Sensor Installation:

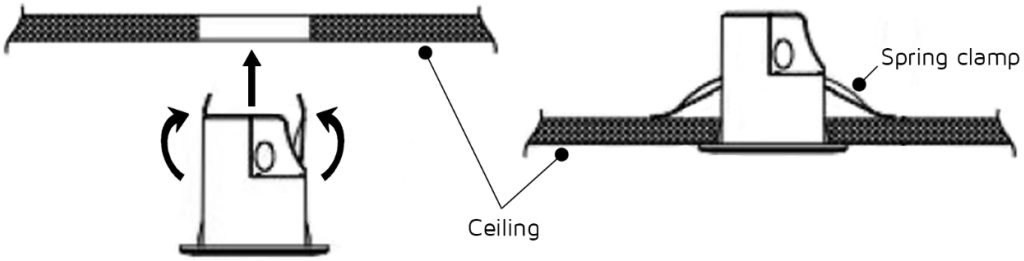
Step 1: Cut a hole 70-80mm in the ceiling.



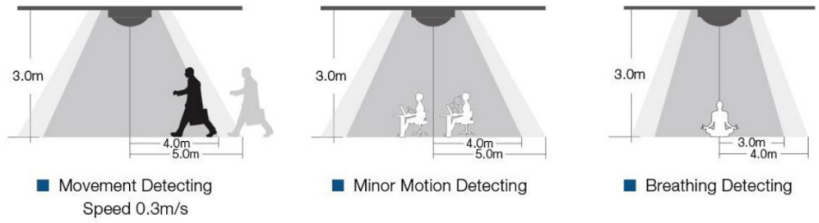
Step 2: Carefully open the side cover and epose the screws and clamp. Connect the wiring into the terminals (NB: Ensure wiring is connected correctly). Install the clamp screw and refit the side cover.



Step 3: Bend the spring clamps backwards to push into the pre-opened hole in the ceiling.

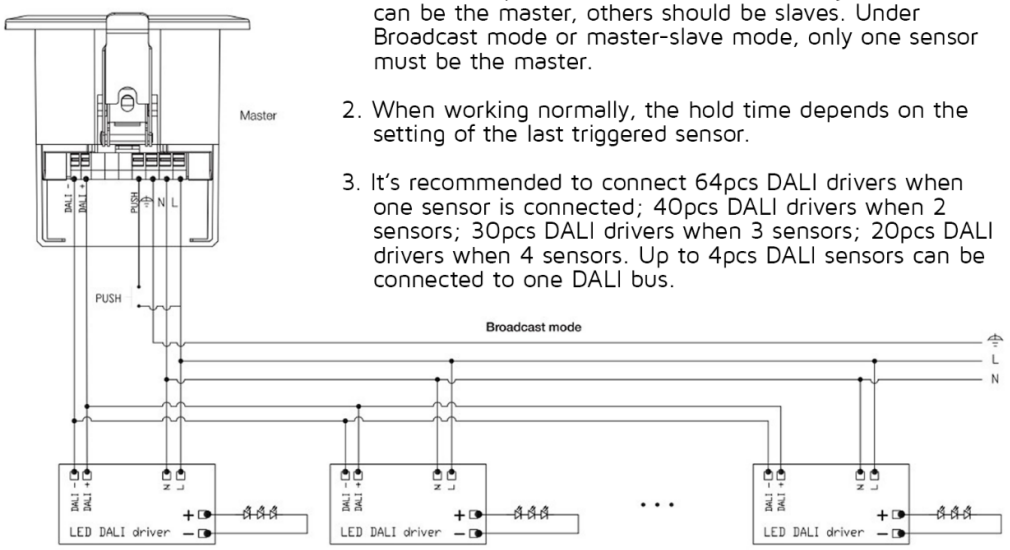


Detection pattern:



Wiring Diagram

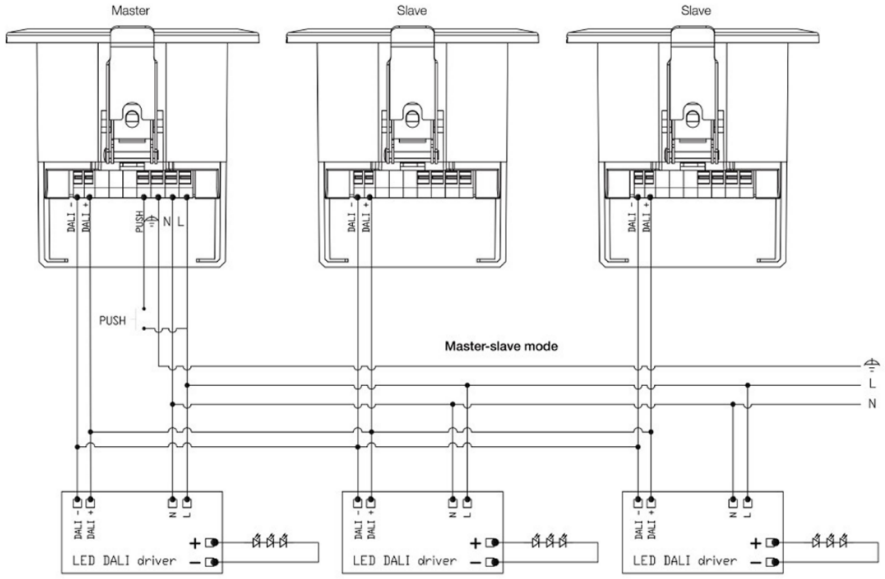
Broadcast mode:



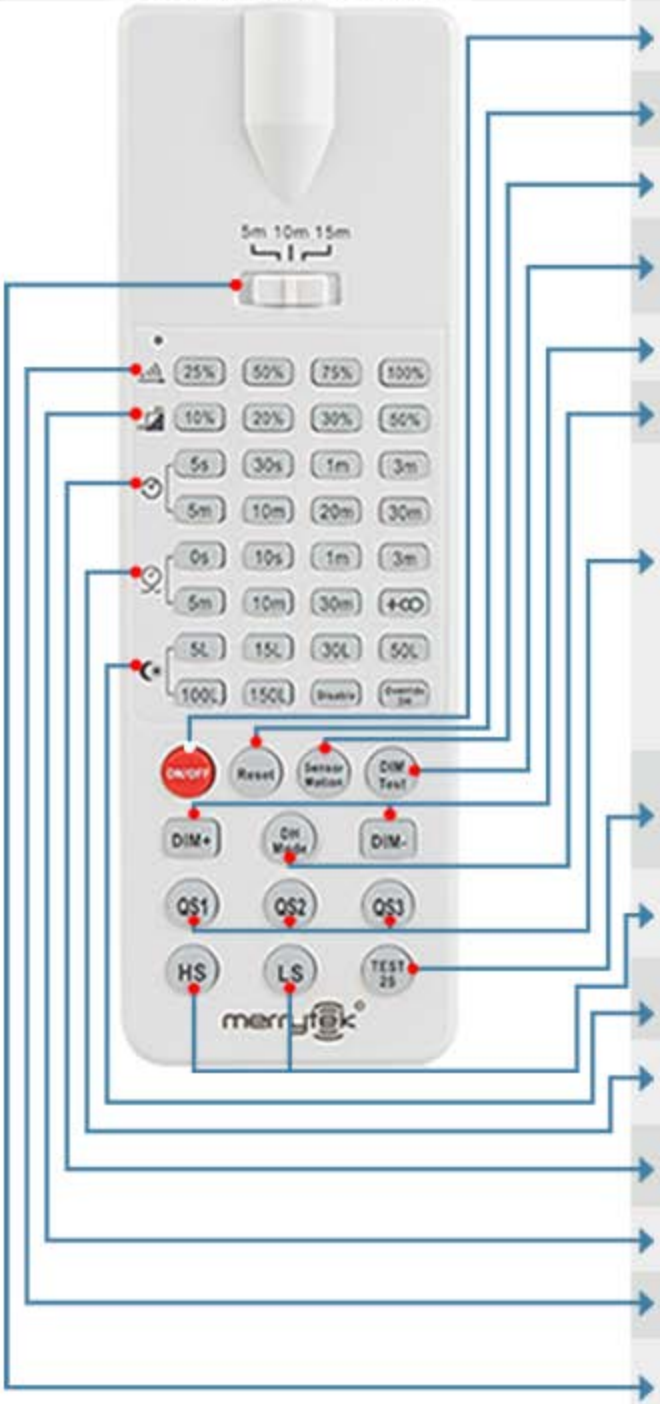
Note:

1. When multiple sensors are connected, only one sensor can be the master, others should be slaves. Under Broadcast mode or master-slave mode, only one sensor must be the master.
2. When working normally, the hold time depends on the setting of the last triggered sensor.
3. It's recommended to connect 64pcs DALI drivers when one sensor is connected; 40pcs DALI drivers when 2 sensors; 30pcs DALI drivers when 3 sensors; 20pcs DALI drivers when 4 sensors. Up to 4pcs DALI sensors can be connected to one DALI bus.

Master-slave mode:



Remote Control Setting



Buttons	Remarks
ON/OFF	Press the `ON/OFF` button, the light goes to constant on/off mode. sensor is disabled. Press any button to quit from this mode and the sensor starts to work.
Reset	Press `Reset` button, all parameters are same as settings of DIP switch factory settings.
Sensor Motion	Press `Sensor motion` button, the light quits from the constant on/off mode, and the sensor starts to work (The latest setting stays in validity).
DIM Test	Press `DIM Test` button, the 1-10V dimming works to test whether the 1-10Vdc dimming ports are connected properly. After 2s, it returns to the latest setting automatically.
DIM+ DIM-	Short press `DIM+/DIM-` button to transmit dimming signal. The brightness of the lamp adjusts at 5% per unit.
DIM Mode	Long press>3s, sensor will take current light level as target lux level to dim up/down load automatically according to the change of ambient light level.
QS1 QS2 QS3	Note: Detection area /Hold time / Stand-by period / Stand-by dim level / Daylight sensor can be adjusted by pressing the corresponding button. The latest setting will stay valid.
TEST 2S	Press the `TEST 2S` button can enter the test mode anytime. At the mode, the sensor parameter as below: Detection Area is 100%, Hold is 2s, Stand-by Dim Level is 10%, Stand-by Period is 0s, daylight sensor disable. This function only for testing. Quit the mode by pressing `RESET` or any other function buttons.
HS LS	Press `HS` button to set the detection area to be high sensitive. Press `LS` button to set the detection area to be low sensitive. The adjustment bases on the `Detection Area` parameter you set.
	Detection Area Set up detection area: 5Lux / 15Lux / 30Lux / 50Lux / 100Lux / 150Lux / Disable
	Stand-by period. Set up stand-by time: 0s / 10s / 1min / 3min / 5min / 10min / 30min / +-
	Hold time Set up hold time: 5S / 30S / 1min / 3min / 5min / 10min / 20min / 30min
	Stand-by dim level Set up stand-by dim level: 10% / 20% / 30% / 50%
	Detection Area Set up detection area: 25% / 50% / 75% / 100%
	Remote Distance Toggle bottom can set the remote distance of remote control and sensor.

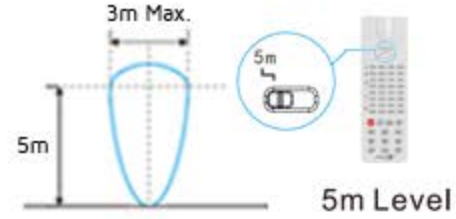
Scene Options	Detection Area	Hold Time	Stand-by perod	Stand-by dim-level	Daylights Sensor	Induction Mode
QS1	100%	30S	1min	10%	5Lux	Hs
QS2	100%	1min	3min	10%	10Lux	Hs
QS3	100%	5min	10min	10%	30Lux	Hs

Remote control and code setting conversion

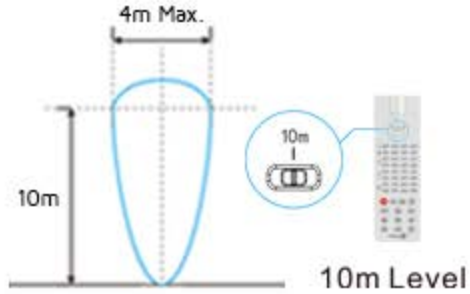
1. Dip switch setting convert to remote control
Press any button except "Reset" on the remote control, and the sensor settings convert to the function currently selescted by the remote control. (No function button settings invalid)

2. Remote control convert to DIP switch setting
a. Press the "RESET" button on the remote control and all settings return to the DIP switch settings of the sensor.
b. Turn off the power, toggle any DIP switch, connect to the power, and all settings return to the DIP switch settings whensupply power again.

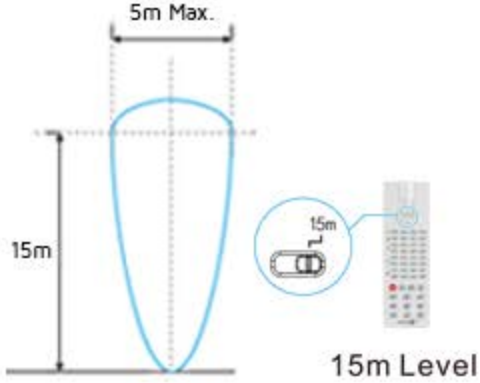
Unique design of infrared Transmitting device



5m Level



10m Level



15m Level