Safety Information

>All electrical work must be undertaken by a qualified contractor to ensure compliance with latest edition BS7671 and IEE/IET wiring regulations.
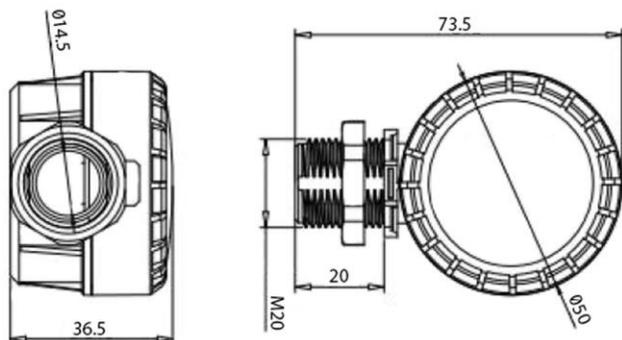
> Before installing the Motion and Photocell Sensor or doing any maintainance, ensure power supply is turned off at the circuit breaker or fuse box.

> 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

Ø14.5
73.5
20
M20
Ø50
36.5

All units are in mm

Important Warranty Information

The 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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MOTION SENSOR
NET-42-43-38
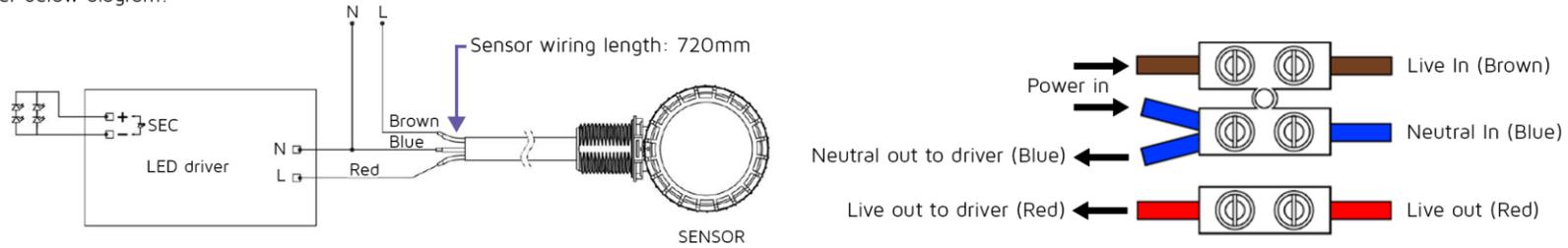
KEY DATA

Input Voltage AC	120-277V
Power Frequency	50/60Hz
Maximum Load	400W-inductive or 800W-resistive
Maximum Detection Distance	12m
Detection Angle	150°(Wall), 360° (Ceiling mounting)
Operating Temp.	-15°C to +45°C
Daylight Sensor	5Lux/15Lux/30Lux/50Lux/ 100Lux/150Lux/Disable
Detection Area	25%/50%/75%/100%
Hold Time	5s/30s/1min/3min/5min/ 10min/20min/30min
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. Pleaseretain this leaflet for future reference.
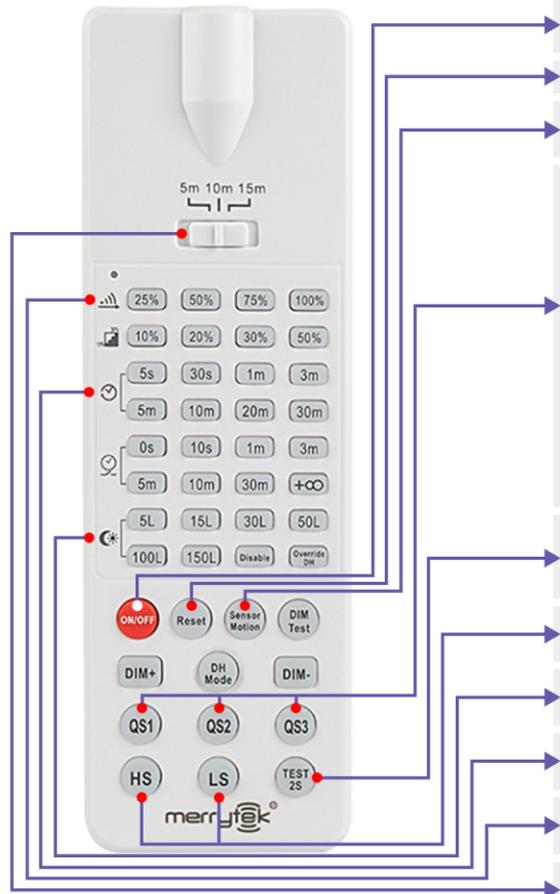
Motion Sensor Installation:

Connect Sensor wiring as per below diagram.

N L

Sensor wiring length: 720mm

SEC
LED driver

Brown
Blue
Red

SENSOR

Power in

Live In (Brown)

Neutral out to driver (Blue) ← Neutral In (Blue)

Live out to driver (Red) ← Live out (Red)

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 the same as the 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).

Scene Options	Detection Area	Hold Time	Daylight Sensor	Induction Mode
QS1	100%	5min	30Lux	Hs
QS2	100%	10min	Disable	Hs
QS3	100%	20min	Disable	Hs

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 to enter the test mode anytime. In this mode, the sensor parameters are as follows: Detection Area is 100%. Hold time is 5s. Stand-by Period is 0s. Daylight sensor is disabled. This function is only for testing. To quit the mode, press 'RESET' or any other function buttons.
HS LS	Press 'HS' button to set the detection area to high sensitivity. Press 'LS' button to set the detection area to low sensitivity
(moon/sun)	Detection Area Set up detection area: 5Lux / 15Lux / 30Lux / 50Lux / 100Lux / 150Lux / Disable
(clock)	Hold Time Set up hold time: 5S / 30S / 1min / 3min / 5min / 10min / 20min / 30min
(signal)	Detection Area Set up detection area: 25% / 50% / 75% / 100%
(toggle)	Remote Distance Toggle button can set the remote distance of remote control and sensor.

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5m Max.
4m Max.
3m Max.
5m 10m 15m
5m Level   10m Level   15m Level