

Read these instructions before commencing installation.
Please give these instructions to the owner/occupier after installation to retain for future reference/maintenance.

IP20 240V~50Hz 8W/14W/16W

This fitting are Class I and must be Earthed

Important Information

It is recommended that this luminaire is installed and fitted by a qualified electrician ensuring the installation complies with current wiring regulations & local building control. The product is designed for connection to a 240V~50Hz supply. Any faulty, broken or damaged luminaires should be replaced immediately. KSR will not accept responsibility for any claims arising from a poor installation. Please Note: The limited warranty shall be deemed null and void in the following circumstances: Failure by the installer, end user or any third party to exercise caution to protect any covered product or part from outside damage, adverse temperature (normal operating ambient temperature 0°C - +30°C), humidity conditions, fluctuations in the electrical system or physical abuse as well as failure related to workmanship in the installation of the products or parts.

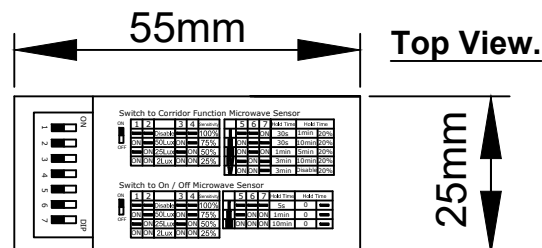
Important User Advice

Always switch off mains supply before servicing. Do not use Megger or similar high voltage instruments. Due to the fact this luminaire contains electronic components that maybe damaged by high test voltages, they must be disconnected from the circuit before testing. To prevent damage to the driver, do not mix with conventional magnetic ballasts on the same electrical circuit. At the end of life the luminaire is classed as WEEE and should be disposed of in accordance with local legislation.

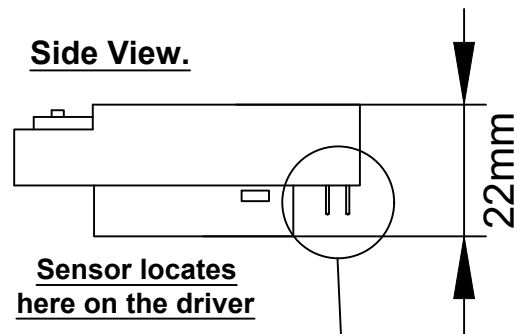
Installation Procedure

Isolate mains supply before installation. Ensure incoming cables are protected, Terminate wiring as per the instructions supplied with the purchased Gear tray Plug in the Corridor Function MW Sensor as shown in Fig 2 ensuring you don't damage the pins. Set up Dip switches as per the table on Page 2. Select LED colour and wattage required using the switches on the LED driver - Note: **Never change the LED colour or wattage with the luminaire powered on as this can damage the luminaire.** Line up required set of fixing points with your fitting base the gear tray is designed to twist into place and be secured by the fixings in the intended fitting body.

KSRSF390 - Gear Tray - Overall Depth = 25mm
KSRSF391 - EM Gear Tray - Overall Depth = 27mm
If using KSRSF393 Corridor Function MW Sensor in addition to the above then Overall Depth = 30mm



Side View.



Exploded View.
Line up the Pins on the sensor with the socket part on the LED Driver and push into place.

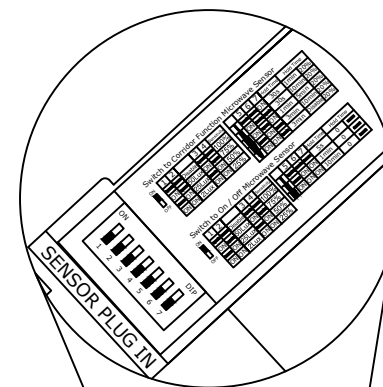
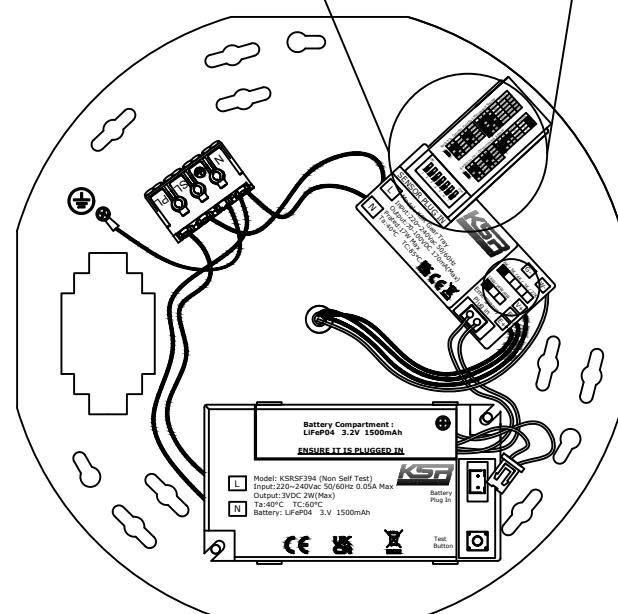
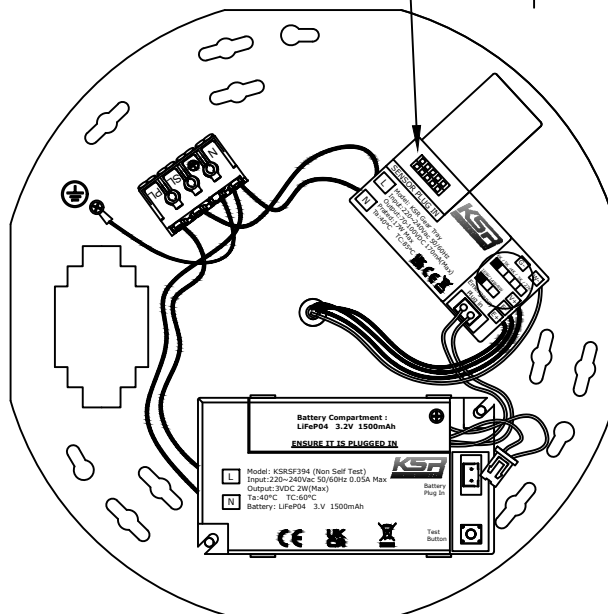


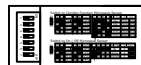
Fig.2

KSRSF391 Shown, sensor also fits the KSRSF390 Gear Tray.



See Page 2 for Dip switch settings.





This Corridor Function / Microwave sensor is a motion activated switch, it will turn the light on when movement is detected, then hold the light on for the determined amount of time, after which the light will turn off. This microwave sensor comes with a step-dim feature which is preset by the installer according to their specific requirements

Using the Dip Switches on the sensor, set it up to your preferred Detection area, Hold Time & Daylight level.

Microwave sensors will detect movement through certain materials, if this occurs reduce the detection area until any nuisance triggering stops.

Note: Never change the dip switches with the power on.

Corridor Function Microwave Sensor

1 & 2 = Daylight Sensor

The daylight sensor can be set to bring the light 'on' at specific daylight levels. To have the sensor function in daylight set the Dip Switches to Disable.

1	2	Lux
—	—	Disable
ON	—	50Lux
—	ON	25Lux
ON	ON	2Lux

3 & 4 = Sensitivity Area

Sensitivity area can be reduced by selecting the combination on the Dip Switches, following the guide as shown here.

3	4	Sensitivity
—	—	100%
ON	—	75%
—	ON	50%
ON	ON	25%

5, 6 & 7 = Hold Time, Stand by Time & Dimming Level.

Hold time means the time period you would like the light to remain at 100% output once no movement is detected. The Stand by time is the length of time the fitting remains on at the dimmed level of 20%. Disabled denotes infinite but is overridden when the daylight lux threshold is set, i.e. if daylight sensor set to 50 lux and Hold time 3 minutes standby disabled when lux is over 50 lux the 20% standby will be turned off. If you disable the daylight sensor then hold time of 3 minutes disabled the sensor will always trigger 100% with a 3 minute hold time and will stay at 20% standby at any light level.

	5	6	7	Hold Time	Stand-by Time
I	—	—	ON	30s	1min 20%
II	ON	—	—	30s	10min 20%
III	ON	—	ON	1min	5min 20%
IV	—	ON	—	3min	10min 20%
V	ON	ON	—	3min	Disable 20%

Enlarged view of integral sensor

Switch to Corridor Function Microwave Sensor

5	6	7	Hold Time	Stand-by Time
—	—	ON	30s	1min 20%
ON	—	—	30s	10min 20%
ON	—	ON	1min	5min 20%
—	ON	—	3min	10min 20%
ON	ON	—	3min	Disable 20%

ON OFF

Switch to On / Off Microwave Sensor

5	6	7	Hold Time	Stand-by Time
—	—	ON	5s	0 0
ON	—	—	1min	0 0
ON	ON	—	10min	0 0

ON OFF

DIP

1	2	3	4	5	6	7
ON	—	—	—	—	—	—

Troubleshooting

UP = ON



DOWN = OFF

Issue	Cause	Solution
The load will not illuminate	Incorrect daylight threshold setting selected	Adjust setting and retest
	Load has failed (driver or LED array)	Replace load
	No mains power detected	Switch on power
The load is permanently illuminated	Continuous movement in the detection area	Check detection area setting
	The lamp (containing sensor) is installed in an area too close to reflective surface, i.e Metal, Glass or Concrete walls.	1. Make sure installation area suitable with at least 30cm space between lamp and surrounding reflective surfaces 2. Reduce Sensitivity (detection area)

On / Off Microwave Sensor

1	2	Lux
—	—	Disable
ON	—	50Lux
—	ON	25Lux
ON	ON	2Lux

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—	—	100%
ON	—	75%
—	ON	50%
ON	ON	25%

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5, 6 & 7 = Hold Time,

Hold time means the time period you would like the light to remain on once no movement is detected.

Microwave Specification

Mains Input - 220-240VAC
Lux Control - 2 - 50 Lux or Disable
Time Setting - Min = 5 Seconds +/- 1 Seconds
 Max = 10 Minutes +/- 1 Minute
Rated Load - LED = 25W
Frequency - 5.8GHz
Detection Area - 360 Deg
Detection Distance - 6 Metres - Adjustable
Parasitic Power - 0.5W
Installation Height - 3 Metres

Recommended Installation heights

For Wall mounting the recommended height is 1.5m
 For Ceiling mounting the max recommended height is 3m

Detection Zone Max. (D x H): 6m x 3m

Detection Angle. 360°

