



## SUMMARY

The FMS - 12055 Motion sensor is a surface mount ceiling sensor, and utilises infrared technology to detect and identify motion, night and day.

Upon detection, the connected lighting load will illuminate for a user determined period of time.

## SPECIFICATIONS

Power Source:	220V - 240VAC
Power Frequency:	50HZ
Ambient Height:	3 - 2000 LUX (adjustable)
Time delay:	Min 10 seconds Max 15 minutes
Rated Load:	1200W (Incandescent) 300W (Fluro)
Detection distance:	12m
Detection range:	360°
Cut out hole:	62mm
Manual Override:	No
Weatherproof Rating:	IP44
Warranty:	1 year

## INSTALLATION

Note: All electrical connections relating to this installation must be carried out by a suitably qualified and registered electrician.

The sensor should not be installed outside.

As with all PIR motion sensors, the FMS - 12055 must be positioned away from any sources of heat (such as extractor fans, dryers, any air conditioning or heating registers, etc.) Reflective surfaces and overhanging branches may also cause false activation.

1. Isolate the power
2. Select a suitable location, based on the above.
3. Remove the housing cover by turning anti-clockwise while holding base (Fig 1)
4. Place the unit on the ceiling and mark the position of the mounting holes (Fig 2)
5. Drill the holes and insert wall plugs
6. Connect the Cabling as per Connection Wiring Diagram (Figure 3)
7. Ensure terminal connections are proper and secure
8. Fix sensor to ceiling, using screw/fixtures and discreet mounting holes provided
9. Adjust Time and Lux settings to suit application

Fig.1

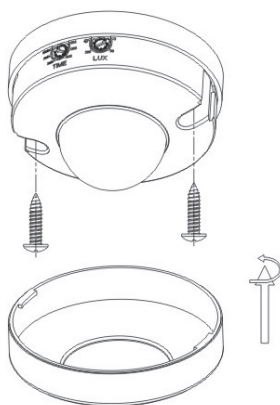


Fig.2

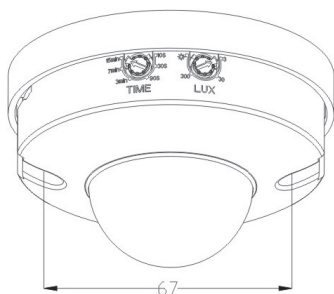
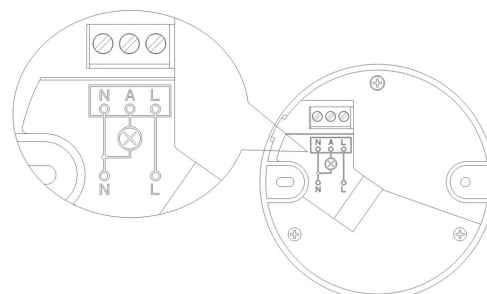


Fig.3



## SET UP AND ADJUSTMENT

1. Adjust the TIME setting anti clockwise to minimum (10s)
2. Adjust the LUX setting clockwise to maximum.
3. Switch the power on. (The control load will not work immediately, as it requires 5-30 seconds to preheat.
4. The sensor will activate again, 5 - 15 seconds later, once the first switching cycle is completed.
5. If testing when the ambient light is greater than 3 LUX, the initial switch cycle will not continue to operate. In this instance, cover the detection window with a dark object, such as a cloth. It is normal for the cycle to stop within 5-15 seconds of completion of the initial signal.

## TROUBLESHOOTING

PROBLEM	POSSIBLE SOLUTION
Lights do not turn on	Check the power is on Check the bulbs and fixtures are working correctly Check wiring is correct Ensure LUX setting is set for a darker setting than present
Lights do not switch off	Make sure unit is wired correctly. Ensure there is not a continuous signal in the detection field. Ensure the time delay is set on the appropriate setting.
Lights do not switch on	Make sure there are no reflective sources in the detection field Check detection window is clear Check installation height and detection distance is in the parameters.