



SUMMARY

The FMS - 12051 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 7 minutes
Rated Load:	1200W (Incandescent) 300W (Fluro)
Detection distance:	12m max
Detection range:	180°
Installation height:	1.8m - 2.5m
Manual Override:	Yes
Weatherproof Rating:	IP44
Warranty:	1 year

INSTALLATION

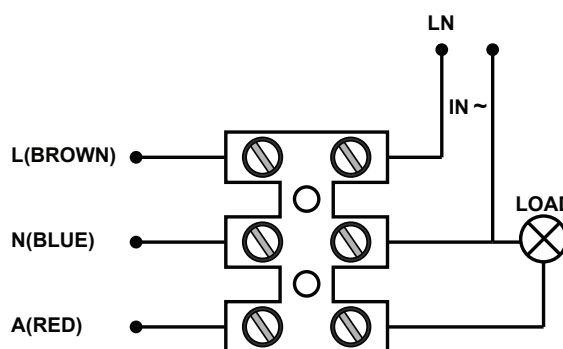
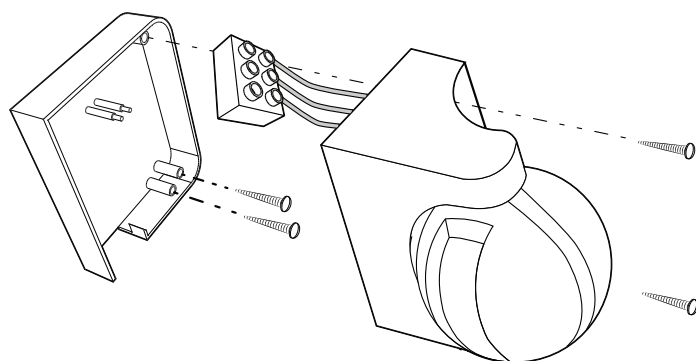
Note: All electrical connections relating to this installation must be carried out by a suitably qualified and registered electrician.

As with all PIR motion sensors, the FMS - 12051 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 to install the unit by considering points in previous sections and the units detection range and direction
3. Remove the housing cover by loosening the two screws. (Fig 1)
4. Place the back housing cover onto the surface and mark the position of the mounting holes.
5. Drill the holes and insert wall plugs into these holes, and fix back housing cover to surface.

Fig.1

WIRING DIAGRAM



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.

MANUAL OVERRIDE

For 'Manual Override' or 'Permanent On', simply switch the unit off, then on again within one second. The lights will now stay on permanently. To return to 'Automatic Mode', switch the unit off for 10 seconds and then on again. After one minute, the unit will resume normal operation.

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.

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