



## SUMMARY

The FMS - 12064 - A Motion sensor is a flush 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<br>Max 15 minutes     |
| Rated Load:          | 1200W (Incandescent)<br>300W (Fluro) |
| Detection distance:  | 6m diameter ( 3m radius)             |
| 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.

As with all PIR motion sensors, the FMS - 12064 - A 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. Drill a 62mm hole in the ceiling.
4. Remove the transparent terminal cover (Figure 1)
5. Connect the Cabling as per Connection Wiring Diagram (Figure 4)
6. Ensure terminal connections are proper and secure

Fig.1

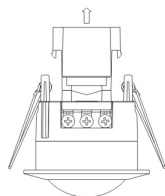


Fig.2

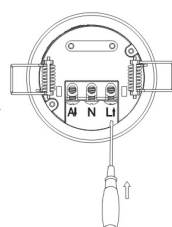


Fig.3

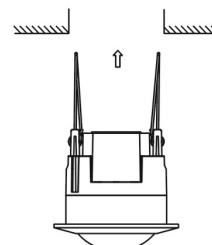
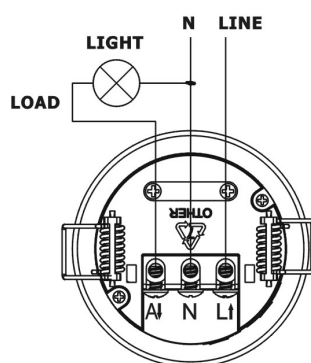


Fig.4



## 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<br>Check the bulbs and fixtures are working correctly<br>Check wiring is correct<br>Ensure LUX setting is set for a darker setting than present         |
| Lights do not switch off | Make sure unit is wired correctly.<br>Ensure there is not a continuous signal in the detection field.<br>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<br>Check detection window is clear<br>Check installation height and detection distance is in the parameters. |