



CVD-PIR Occupancy Sensor Installation Guide

CVD-PIR Occupancy Sensor

Designed to be compatible with the CVD damper, this PIR unit is supplied with a pre-plugged, 10 metre length of communications cable.

The sensor operates with Safe Extra Low Voltage (SELV) with power supplied from the damper unit via the communications cable.

The CVD-PIR sensor will activate the system when movement is detected to boost setting.

Installing the Sensor

The sensor unit should be installed away from any direct source of heat (e.g. radiators) and areas where it would be subjected to waterspray.

Also position the sensor away from direct sunlight and curtains which may activate the sensor erroneously.

The Sensor is supplied complete with 10 metres of connecting cable with plugs attached. Sensors are also supplied with all fixings and are clipped into a backplate wall mounting bracket.

a) Select a suitable location for the sensor and arrange the cable in position. Leave approx. 75mm of the cable free at the mounting point to ease fitting. (see Figure 1).

b) Carefully separate the sensor from the backplate using a small screwdriver (see Figure 2).

c) Fix the backplate to the wall. (see Figure 3).

d) Clip the sensor in place and adjust its attitude to obtain the desired sensing angle. (see Figure 4).

e) Isolate the power supply at the CVD damper unit before removing its cover. Feed the pre-plug sensor cable into the damper and insert the plug into the socket on the PCB. (only one available).

Adjusting the Run-on timer

The CVD-PIR would activate the CVD dampers to the boost setting. When the PIR is deactivated, the damper will remain in the boost setting for a pre-set time. This time is adjustable at the damper (from 1 - 60 minutes) by using the potentiometer marked 'Run-On Time'.

Maintenance

The unit does not require any maintenance. However, for optimum performance, it is advisable to remove any accumulated dust with a low power vacuum cleaner.

NOTE: Installation and Maintenance of the equipment must be as directed in the instructions provided with the unit.

Warranty

The 3 year warranty starts from the day of delivery and includes parts and labour for the first year.

The remaining 2 years covers replacement parts only.

This warranty is conditional on planned maintenance being undertaken.

Service Enquiries

Nuaire can assist you in all aspects of service. Our service department will be happy to provide any assistance required, initially by telephone and if necessary arrange for an engineer to call.

Telephone
029 2085 8585
Fax
029 2085 8586

Figure 1.

10m sensor connection wire (supplied). To damper box terminal

Clearance aperture for wire should be approx 20mm dia to allow passage of plug end. Allow approx 75mm of wire through for fitting to the backplate

Wire can be located behind a wall panel or fixed to wall surface.

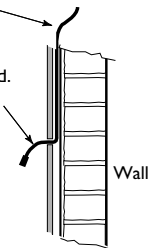


Figure 2.

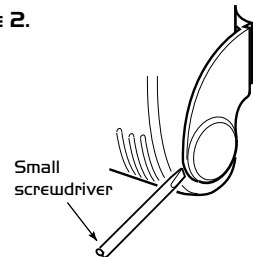


Figure 3.

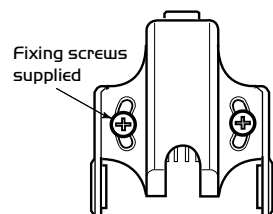
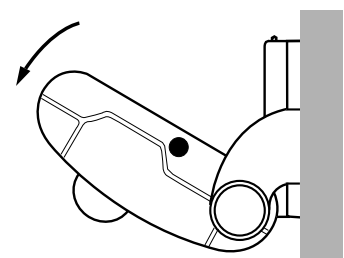


Figure 4.



Technical or commercial considerations may, from time to time, make it necessary to alter the design, performance and dimensions of equipment and the right is reserved to make such changes without prior notice.