Instruction Leaflet

External Infra-red Beam Detector

EMC DIRECTIVE
89/336/EEC
TO EASE YOUR PATH TO SYSTEM
CONFORMITY WITH THE DIRECTIVE
WE RECOMMEND THE 12Vdc
SUPPLY SHOULD HAVE A FLOATING
OUTPUT TO ACCEPT THE
NEGATIVE EARTH
ALL CABLING SHOULD
BE SCREENED

RS **stock no. 331-613** CE 1995

The RS external active infra red detector is a pulse modulated infra-red beam barrier which is activated when the invisible beam is interrupted. The system is suitable for use over any distance up to 15m externally (20m indoors) however these ranges are the minimum attainable and may be extended under favourable operating conditions.

Installation Hints

Avoid mounting the units alongside reflective surfaces, e.g. glass and gloss painted walls, as alternative beam paths could be established which would interfere with the correct operation of the unit.
If the anti-condensation heaters are to be connected then ensure the alarm control panel has an adequate power output capacity. Alternatively a separate power supply may be utilised for the heater circuit only.

Installation Instructions

1. Remove the lens covers by unscrewing the two cross-head screws securing the covers to the mounting bases.

2. Fit the sealing glands provided into the holes at the base of the units.

3. Fix the base units at the same height, opposite and directly facing each other at the required range.
   Note: Ensure the units are mounted on a firm structure to prevent the possibility of false alarms due to transmitted vibration.

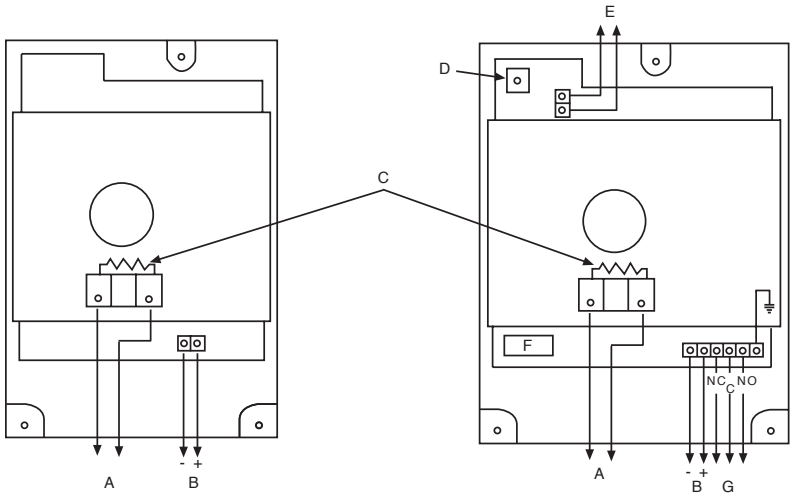
4. Introduce the cables into the bases of the units via the cable sealing glands and terminate as per figure 1.

5. Connect the supply and check operation. If the units are correctly aligned the relay in the receiver will change over.

6. Once correct operation has been established, refit the covers and fully tighten the screws and cable gland to ensure proper sealing.

Figure 1 Connections

A - Heater Supply
B - 12Vdc Supply
C - Lens Heater
D - Anti-tamper Switch
E - Anti-tamper Loop
F - Relay
G- Alarm contacts (shown in alarm condition)



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