

DATA SHEET

Relay Module SD-007

The SD-007 relay module provides two single pole double pole (SPDT) switching outputs that can be used to control a range accessories such as lighting of buildings, street lighting, flashing signs and anything else that needs to be turned off and on.

The module uses two accessory decoder addresses, one for each relay.

Specifications:

- Controls two SPDT relay outputs
- NO and NC contacts available
- Input Voltage – 5 Volts DC supplied from the central control unit
- Maximum Output Current – 1A at 12 V DC for each relay

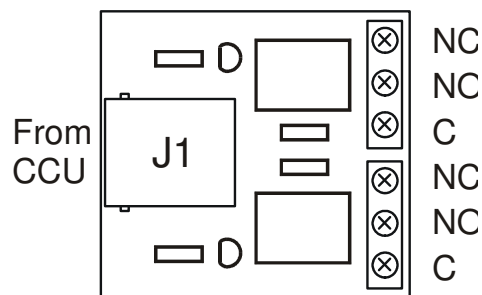


Figure 1 Relay Module

INSTALLATION

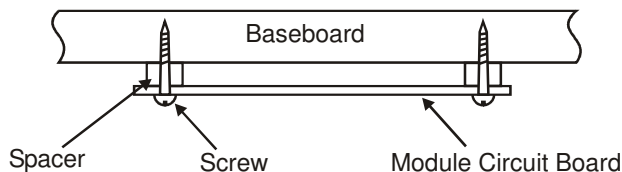


Figure 2 Module Mounting

Mount the Module in a position central to the accessories to be controlled. Use the screw holes provided in the board to mount it, but do not fix the screws too tightly or the board may be damaged.

The use of spacers as shown in Figure 2 is recommended.

Connect the relay module J1 to the required output of central control unit using telephone

style connectors and cable. The type of connector and cable is described later in this data sheet.

Connect the required accessory to each of the relays (NO or NC).

CONNECTING TO CENTRAL CONTROL UNIT

Connecting from the central control unit to the relay module is done by using four core telephone cable fitted with RJ11 connectors. Cables of the correct length and orientation are required.

The signals assigned to the pins of the RJ11 connector are detailed in Figure 3.

As the connector pins have the same orientation on both the decoder and the control modules, it is necessary to reverse the connectors on the cable, as shown in Figure 4.

Cables can be made with the use of a crimping tool or purchased, in either case ensure that they are the cross over type.

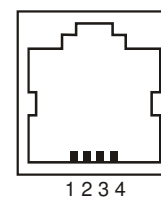
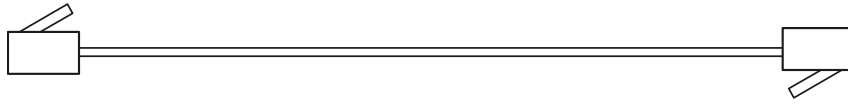


Figure 3 RJ11 Pins

To make the connection, simply plug one end of the cable into the decoder and the other into the signal module.



The plugs are reversed

Figure 4 Cable Orientation