DATA SHEET

Turntable Module SD-006

The SD-006 turntable module provides outputs to drive a motorised turntable. The unit has two outputs to drive the turntable clockwise and anti-clockwise. The turntable module is fitted with a solid state H-bridge drive to provide trouble free operation.

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

Specifications:

- Controls a bi-directional motorised turntable
- Solid state circuitry
- Input Voltage – 12 Volts DC supplied from a separate power source
- Maximum Output Current – 1A at 12 V DC

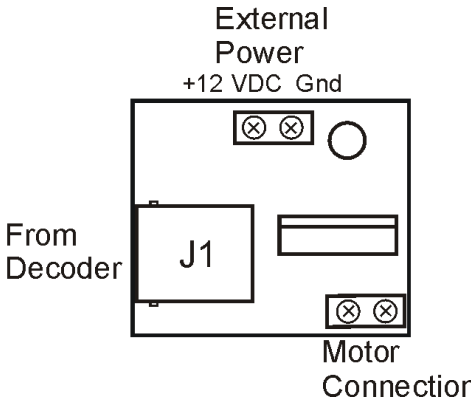

Figure 1 Turntable Module

INSTALLATION

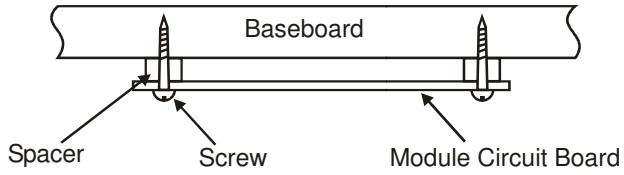

Figure 2 Module Mounting

Mount the Module in a position central to the two signals 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 turntable 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 turntable motor to the motor connections.

CONNECTING TO CENTRAL CONTROL UNIT

Connecting from the central control unit to the signal 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.

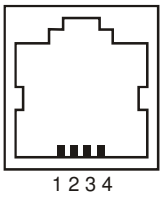

Figure 3 RJ11 Pins

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.

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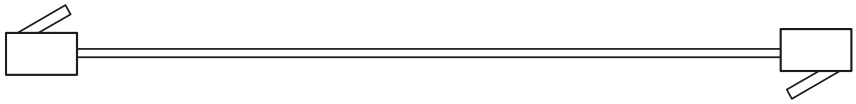
To make the connection, simply plug one end of the cable into the decoder and the other into the signal module.



The plugs are reversed

Figure 4 Cable Orientation

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