

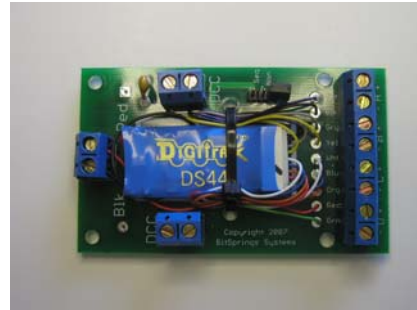
'44 Caddy™ Installation Instructions

The '44 Caddy™ makes the Digitrax DS44* stationary decoder easier to use, install, and program. It allows secure installation of the DS44 while protecting the decoder's delicate wires and allows easy rewiring to the DCC power source and turnout motors using just a small screwdriver. In addition, its built-in resettable fuse minimizes the chance of damage to the decoder if there is an accidental short or a turnout motor malfunction which results in a high current draw. The '44 Caddy™ can be used with any slow motion turnout motors that are suitable for use with the Digitrax DS44.

Wiring on the Layout

CAUTION! Always turn off the DCC power prior to wiring the '44 Caddy™ or the connected turnout motors.

1) Mount the '44 Caddy™ as desired using the four holes near the corners of the board. (Hardware not included.) Do not mount the '44 Caddy on a conductive surface without first carefully insulating the back of the board or using non-conductive standoffs.



2) Connect DCC power to either of the two terminal blocks marked "DCC". The unused set of terminals can be used to daisy chain additional '44 Caddy™ boards.

3) Using the eight motor output terminals, connect wires to the slow motion turnout motors. There are four pairs of terminals labeled A through D that correspond to the four DS44 outputs. Polarity is as shown in Figure 1 on the Digitrax DS44 instruction sheet.

Programming the DS44

Program the DS44 per the Digitrax instructions. However, instead of having to connect and disconnect the white wire, the three pin jumper on the '44 Caddy™ is used. Simply move the shorting jumper to Pins 1 and 2 (marked "Non") when programming non-sequential addresses and to Pins 2 and 3 (marked "Seq") when programming sequential addresses. When not programming the decoder, the jumper should be placed only on Pin 1 for safe keeping.

Note: Carefully read the Digitrax instructions for programming sequential addresses. Addresses are assigned in fixed four number sequential blocks as shown in Table I of the DS44 instructions. Note that each output, A through D, can only assume certain addresses. Output A can only be assigned to addresses 1,5,9,13,17, etc. As an example, if you wanted outputs A through D on a single DS44 to correspond to addresses 7 through 10, you cannot do this with Sequential addressing and would have to use Non Sequential mode instead.

Fuse

The built-in poly switch resettable fuse (PPTC) will limit total current draw to 100 milliamps which should be sufficient for all DS44 compatible turnout motor combinations. Should there be an accidental short or motor malfunction which is beyond the fuse threshold, it will reset automatically when the malfunction is cleared and normal operation will resume.

Warranty

BitSprings gives a one year warranty on the '44 Caddy™. The '44 Caddy™ is carefully tested after the decoder is installed to ensure proper operation. If the unit should malfunction return it to BitSprings with proof of the purchase date and we will repair or replace the unit at our option. This warranty does not include units which have been altered by the user or which have been subject to customer abuse.

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