RLO-10 Relay Output Module

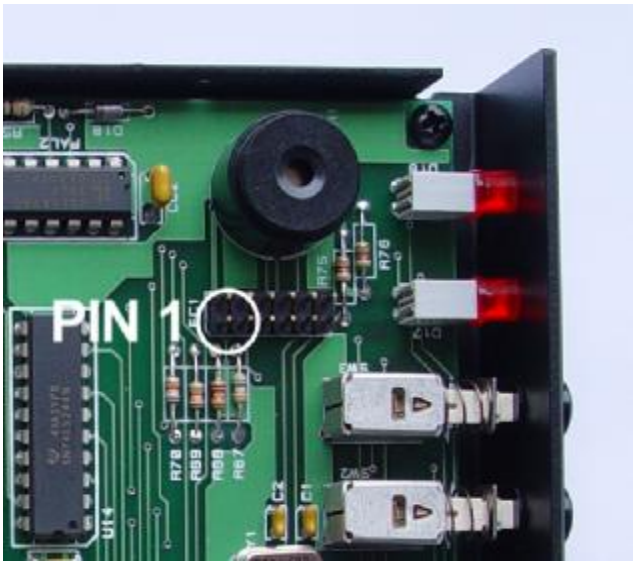
For the Boltek LD-250 Lightning Detector

Description

The RLO-10 is an optional relay output module for the Boltek LD-250 Lightning Detector. The RLO-10 provides a means for connecting customer supplied equipment to the LD-250's Close Storm Alarm, Severe Storm Alarm, and Strike indicator. Each of the three relay outputs is a normally open solid-state contact which closes whenever the respective alarm is activated, as indicated by the LD-250's front panel LED's. The RLO-10 uses solid-state relays capable of switching up to 50VDC or 35VAC at up to 1.5 Amps.

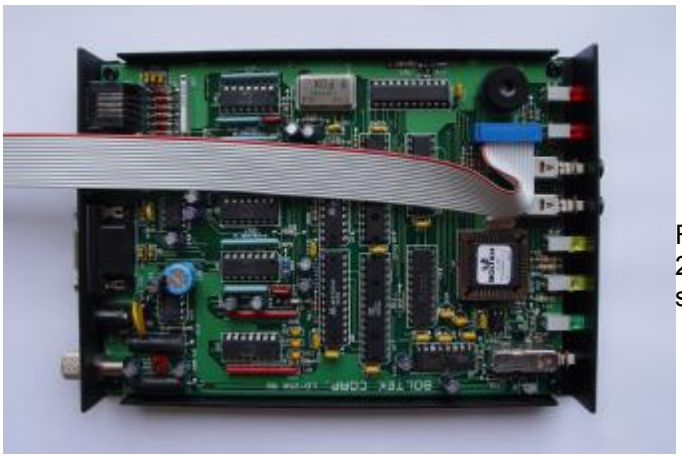
Installation

Remove the top cover of the LD-250 by removing the four cover screws. Locate the relay connector at the front of the unit near the red alarm indicators.

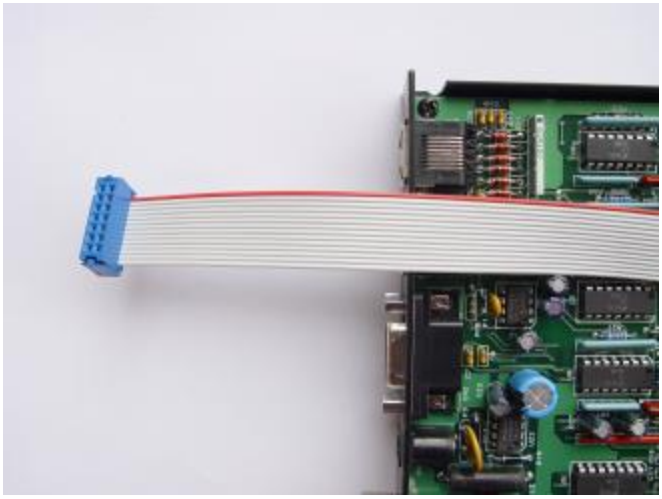


Locate pin 1 of the relay connector. Pin 1 is towards the rear of the LD-250. The female ribbon cable connector has 14 holes (2 x 7) while the LD-250 only has 12 pins (2 x 6). It is important that pin 1 is inserted into the connector holes closest to the ribbon cable's red stripe and that the unused ribbon cable holes are towards the front of the LD-250.

Plug the ribbon cable into the relay connector as shown. The relay connector pin 1 must plug into the ribbon cable connector holes closest to the red stripe. The two unused ribbon cable connector holes must be towards the front of the LD-250.



Fold the ribbon cable towards the rear of the LD-250 as shown. Ensure that the red stripe is as shown in the photo.



The other ribbon cable connector at the rear of the LD-250 should be facing upwards as shown.

Replace the LD-250 top cover and secure it by replacing the four cover screws.

Peel the paper backing from the double-sided tape on the bottom of the RLO-10 relay unit. Stick the relay unit to the top cover of the LD-250 as shown. Plug the ribbon cable connector into the ribbon cable connector on the RLO-10 as shown.