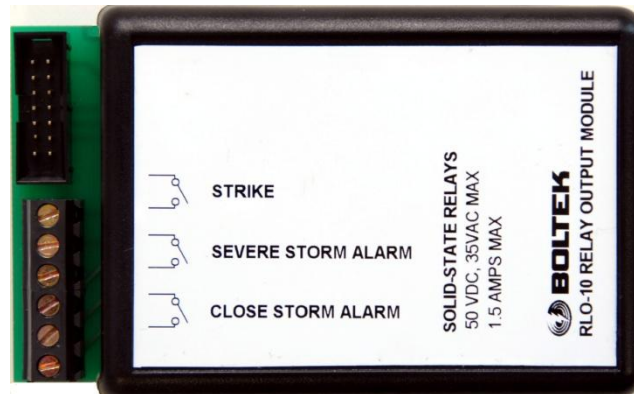




## RLO-10 Relay Output Module

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.

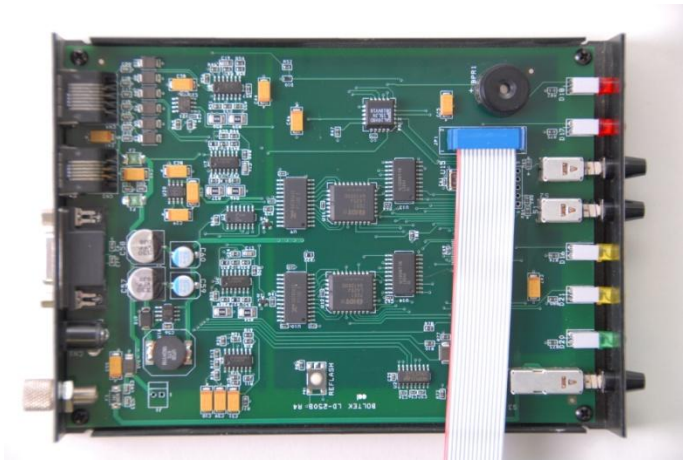
### Installation



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.



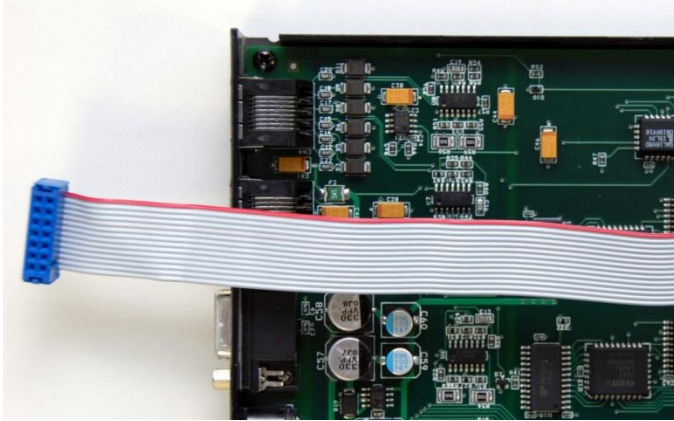
Locate pin 1 of the relay connector. Pin 1 is towards the rear of the LD-250. The female ribbon cable connector and the LD-250 have 14 holes/pins (2x7). It is important that pin 1 is inserted into the connector holes closest to the ribbon cable's red stripe.



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.



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 end of the 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 on the RLO-10 as shown.