

Fibox Modification

for Phoenix Contact Relay



Notes for Installers

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Introduction

In earlier shipments of the FleetLink DVR, the terminal block mounting position within the Fibox enclosure may be too close to the edge of the enclosure to accommodate installation of a Phoenix Relay. This document describes a simple modification that will permit easy mounting of the component.

Required Tools and Equipment

- Electric Drill, with No.22 drill bit
- Phillips head screw driver
- Tape measure or ruler



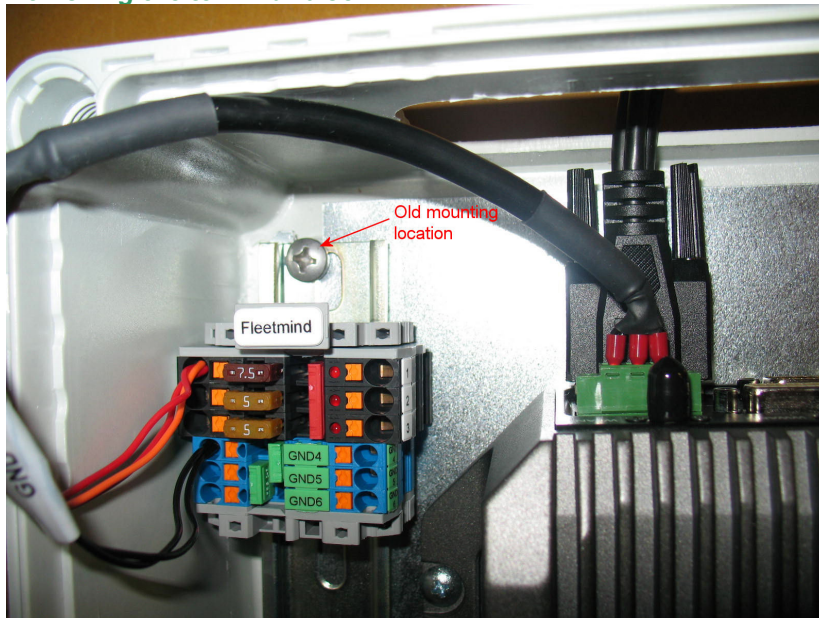
Estimated Time to Complete

This procedure takes approximately 20 minutes to complete.

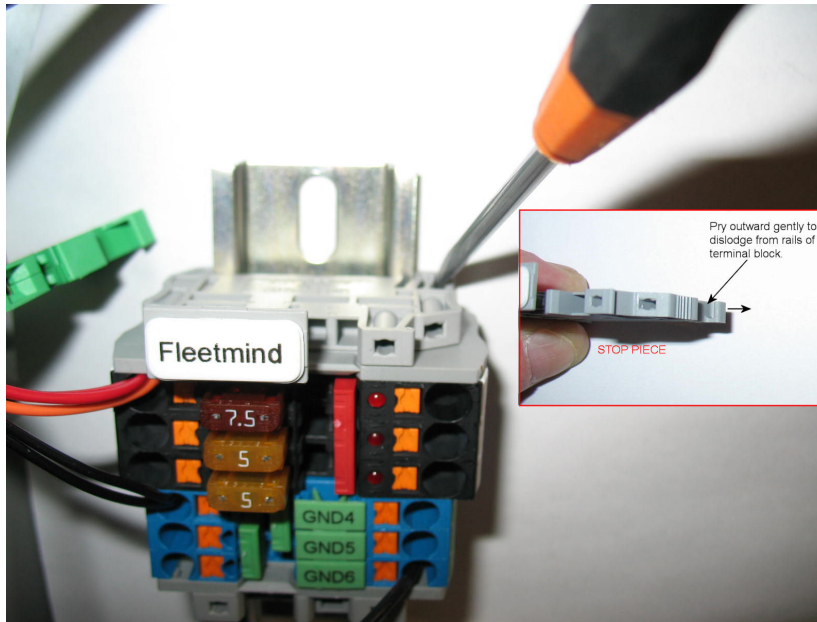
Preparation

1. Using a Phillips head screwdriver, remove the (1 or 2) screw(s) that secure the terminal block to the metal base plate on the bottom of the Fibox enclosure. Set the terminal block and screw(s) aside for later mounting.

Removing the terminal block

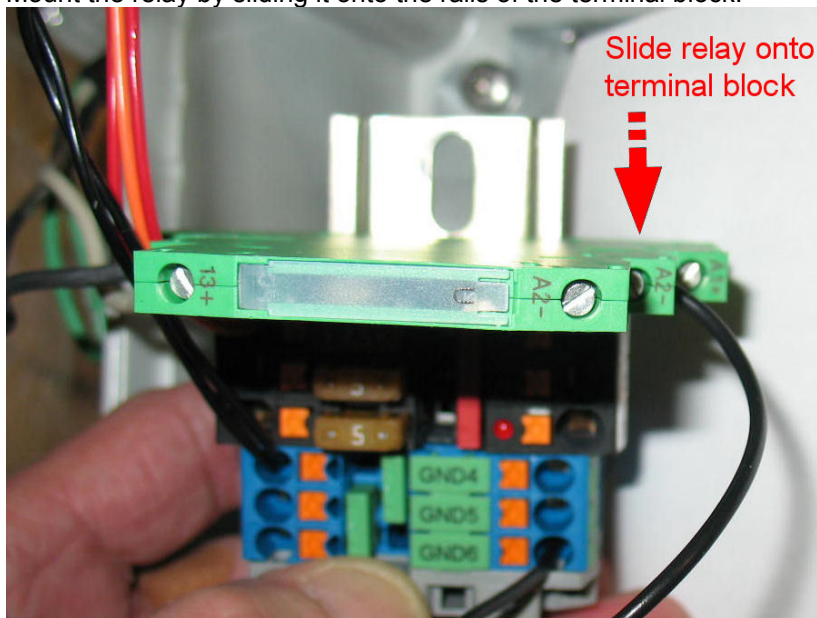


2. Mounted at the upper end of the terminal block is a stop piece, which prevents components on the block from sliding around. Dislodge this stop piece by prying outward gently on the tab, as shown in the following figure.

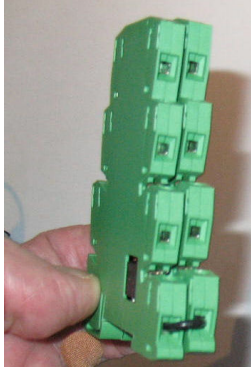


⚠ The stop piece may be mounted in the orientation opposite to that shown, i.e., with the tab on the left side. When reinstalling the stop piece, it is recommended to mount it in the orientation shown to facilitate future access, if required.

3. Mount the relay by sliding it onto the rails of the terminal block.



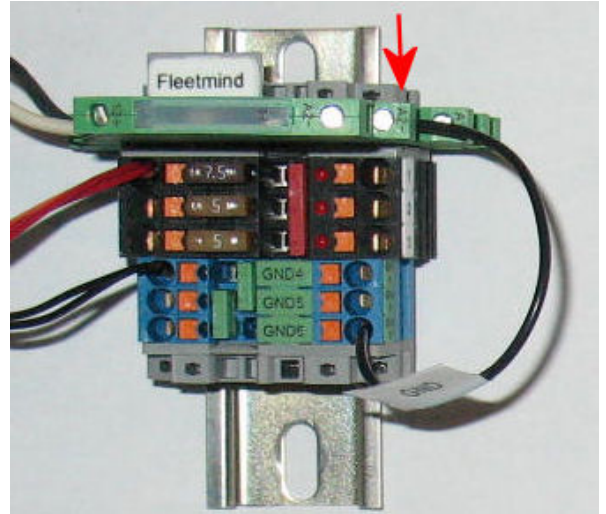
⚠ When installing two relays, the following step (reinstalling stop piece) may be omitted if there is insufficient space on the terminal block rails.



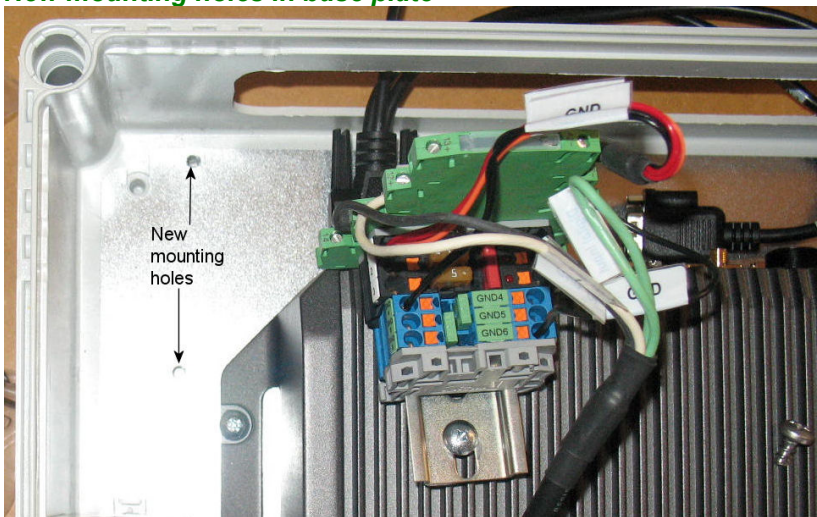
4. Reinstall the stop piece by snapping it into place on the rails of the terminal block.
5. Measure approximately 3/4" to the right of the old mounting hole(s), and mark the location(s) to drill for re-mounting.

✔ Alternatively, you may wish to position the reassembled terminal block within the enclosure to determine the best fit, and then mark new mounting holes accordingly.

6. Using a drill and a no.22 drill bit, drill new mounting hole(s) into the metal base plate at the marked position(s).

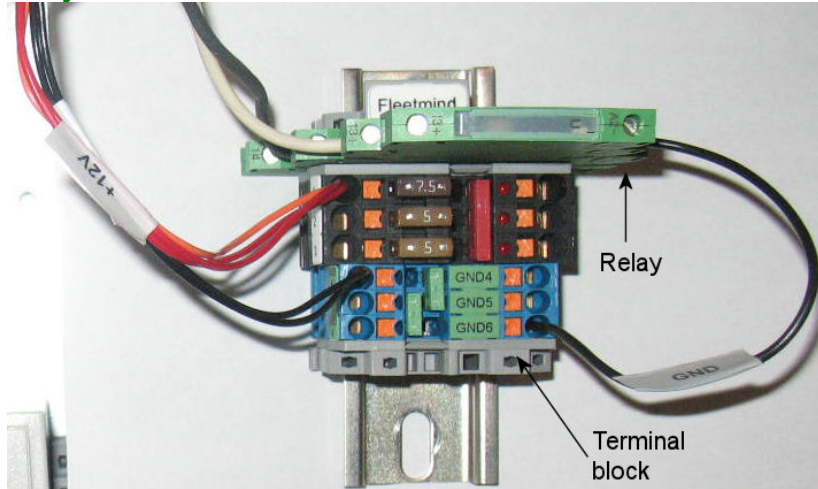


New mounting holes in base plate



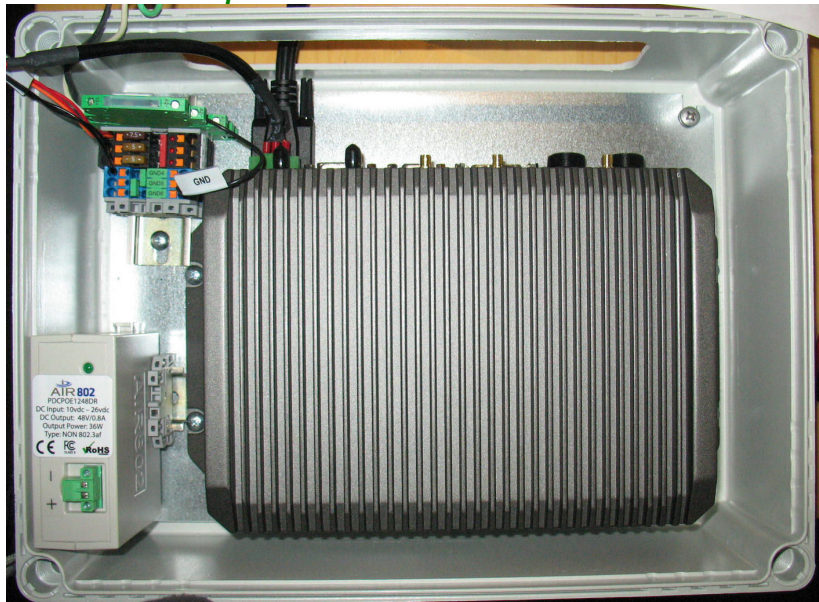
7. Mount and fasten the relay to the terminal block in the orientation shown, if you have not already done so.

Relay installed on terminal block



8. Fasten the terminal block into the base plate using the screw(s) and new mounting hole(s).

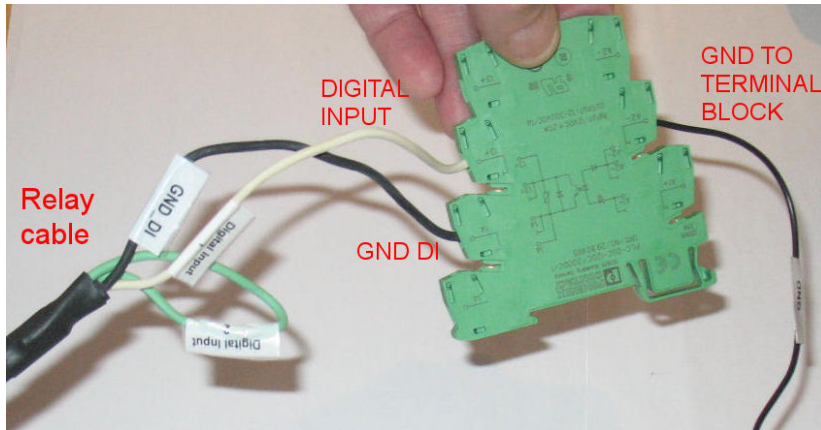
Terminal block repositioned



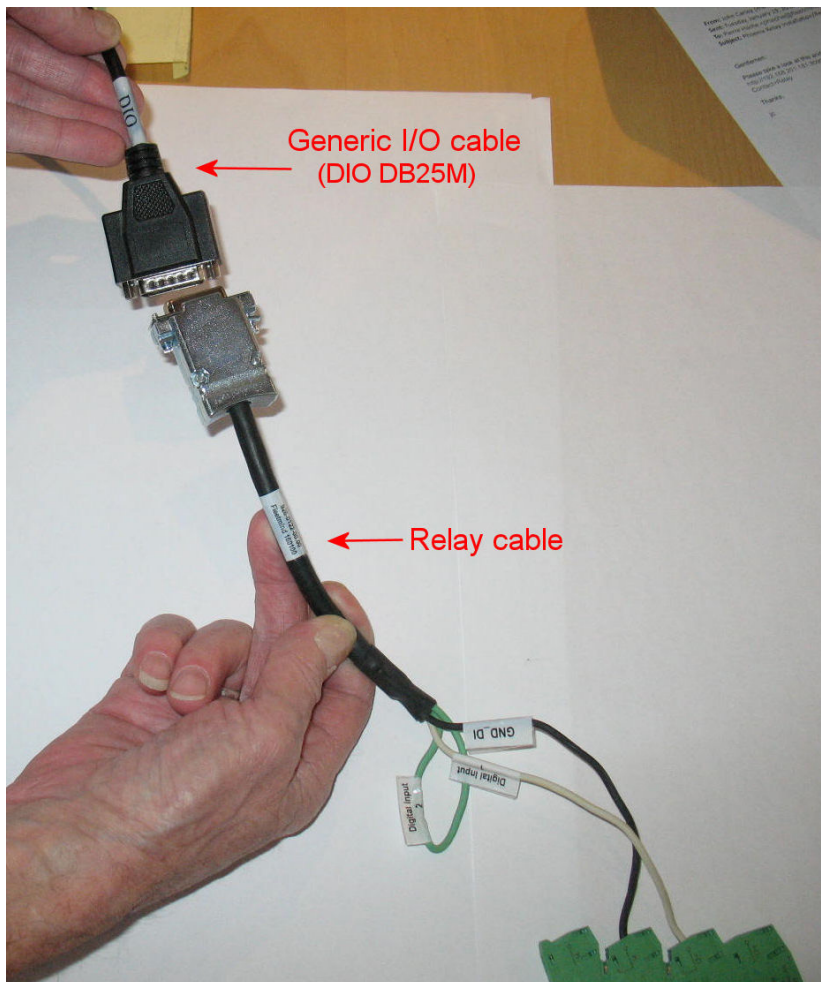
Wiring the Relay

Complete the wiring of your relay using the following photos and the wiring diagram as a reference.

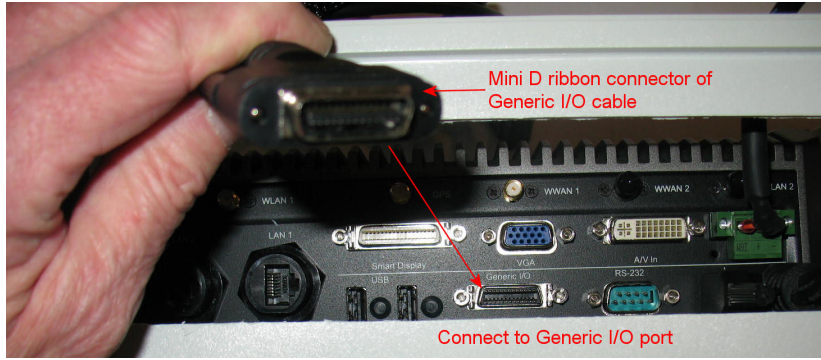
1. Connect the GND DI (black) and DIGITAL INPUT (white) wires to the connectors on the left-hand side of the relay. Connect a ground wire from the right-hand side of the relay to ground on the terminal block.



2. Connect the 25-pin connector of the relay cable to the DIO (DB25M) connector on the Generic I/O cable.



3. Connect the Mini D ribbon connector of the Generic I/O cable to the Generic I/O port on the rear panel of the DVR.



Wiring Diagram

Phoenix Contact PLC-DSC-12DC/300DC/1

