



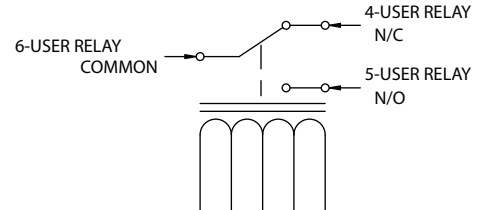
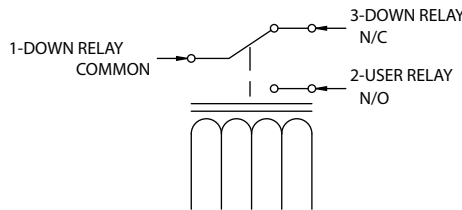
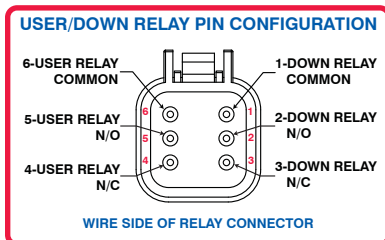
TECHNICAL BULLETIN:

Revision to Extend-A-Gun Warning Circuitry Connection

The following information will discuss how to take advantage of the pre-wired Retracted and Extended Relay Wiring (section 8.0 of LIX-530 users manual).

The RC Extend-A-Gun contains a magnetic switch that is connected to the DOWN relay inside the control box. The magnetic switch and DOWN relay are energized when the RC Extend-A-Gun is in the retracted position. The control box also contains a USER relay which can be configured for the installers needs.

The Y5812 will now come standard with a wiring information label on the lid. The far right cable is dedicated for this functionality, see below.



1-DOWN RELAY COMMON – this is the common terminal for the DOWN relay; this can be a ground or voltage contact (Deutsch p/n 1062-14-0122-PS)

2-DOWN RELAY N/O – this is the normally open contact position for the DOWN relay (Deutsch p/n 0462-201-16141)

3-DOWN RELAY N/C – this is the normally closed contact position for the DOWN relay (Deutsch p/n 0462-201-16141)

4-USER RELAY N/C – this is the normally closed contact position for the USER relay (Deutsch p/n 0462-201-16141)

5-USER RELAY N/O – this is the normally open contact position for the USER relay (Deutsch p/n 0462-201-16141)

6-USER RELAY COMMON – this is the common terminal for the USER relay; this can be a ground or voltage contact (Deutsch p/n 1062-14-0122-PS)

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8.0 RETRACTED & EXTENDED RELAY WIRING

The RC Extend-A-Gun contains a magnetic switch that is connected to the DOWN relay inside the control box. The magnetic switch and DOWN relay are energized when the RC Extend-A-Gun is in the retracted position. The control box also contains a USER relay which can be configured for the installers needs (see section 7.4). For example, to electrically lock out a water valve so water cannot be turned on until the RC Extend-A-Gun is fully extended. When configured for RC Extend-A-Gun “Extended”, the USER relay will be energized when the RC Extend-A-Gun is in the extended position.

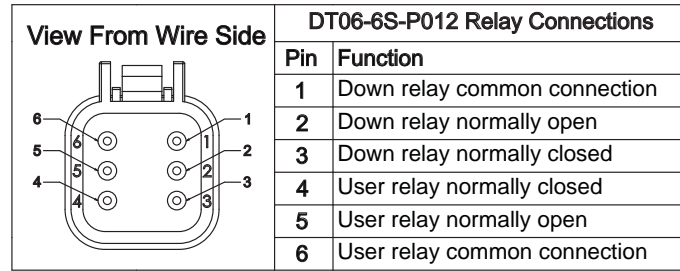


Fig. 8.0

The RC Extend-A-Gun control box includes a cable that is pre-connected to the internal relays for easier access and to prevent the waterproof seal from being damaged from improper re-installation of the lid. The 6-conductor wire and receptacle includes a Deutsch DT06-6S-P012 6-position plug for easy connection. There are easily removed sealing plugs inserted into each wire position to prevent water from entering the connector when there is no wire inserted into the connector position. Use 14AWG contacts for positions 1 and 2, use 16 – 20AWG contacts for positions 2 - 5. The connector pin configuration is shown in Figure 8.0 viewed from the wire side of the 6-position plug.

8.1 INDICATOR LIGHT MOUNTING & WIRING

Many installations will use the DOWN relay for the MONITOR EXTENDED warning light or the DOOR OPEN circuit. To install the warning light perform the following:

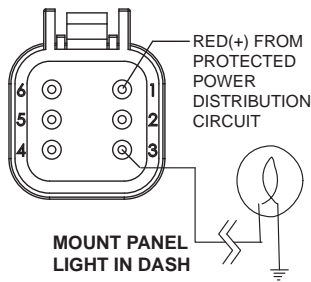


Fig 8.1

- 1) Drill a 1/2" diameter hole in the dashboard for the panel light. Leave enough room for a 1-13/16" diameter label around the light or a 2" wide x 1-1/2" high label next to the light.
- 2) Apply one of the two warning labels and push the panel light through the hole in the dash.
- 3) Remove the seal plugs from the Down NC and Down common positions on the 6-position plug connected to the User/Down Relay cable.
- 4) Connect the terminals on the panel light to DOWN NC position on the 6-pin plug and chassis ground, see figure 8.1.
- 5) Connect a wire from the DOWN common position on the 6-pin plug to positive voltage supply.