

Red Jacket IQ2 Controller

Kit – Replacement Contactor (Part No. 0411068-001)

Installation Instructions

Required Tools

- Torx T15 Driver
- Torx T20 Driver
- #2 Phillips Driver

Instructions



WARNING: EQUIPMENT HAS MULTIPLE POWER SOURCES.

1. Disconnect all power from TB1 before performing any service. This includes incoming pump and IQ2 control power on L1-L2 (for single-phase pump applications) or L1-L3 (for 3-phase pump applications) as well as the D1 – D2 dispenser interface.
2. Remove and save the two shoulder screws securing the door in the closed position using a Torx T15 driver (see Figure 1).

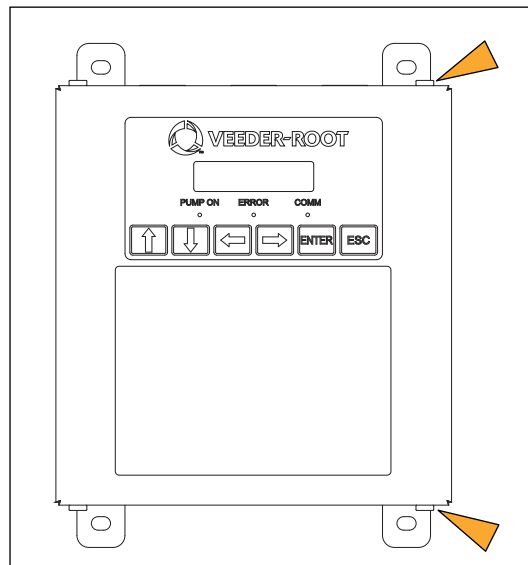


Figure 1. IQ2 Enclosure Door Shoulder Screw Locations

3. Swing open the enclosure door fully to the left.

- Disconnect all 10 wires connected to the contactor using a #2 Phillips driver (see Figure 2).

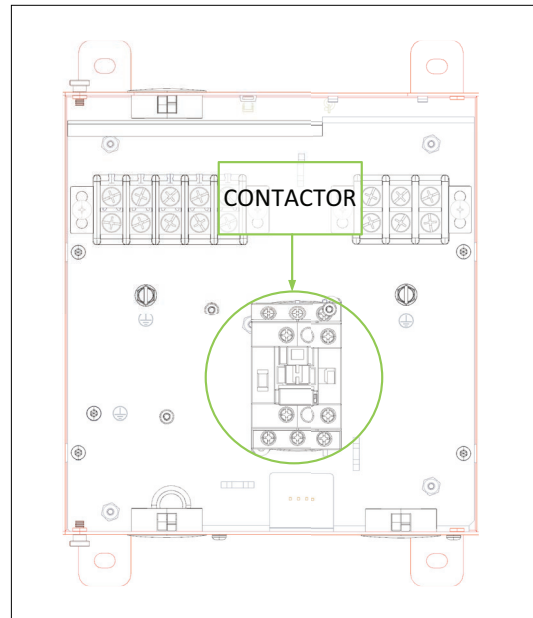


Figure 2. Removing Contactor

- Remove and discard the two screws holding the contactor to the mounting plate using a Torx T20 driver (see Figure 3).

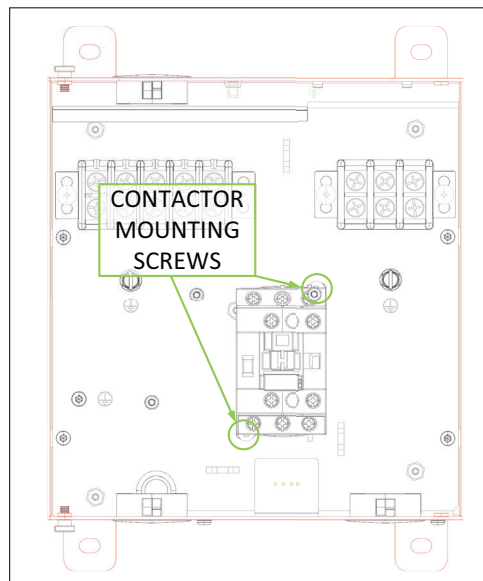


Figure 3. Removing Contactor Mounting Screws

- Install the replacement contactor using the mounting hardware supplied with the kit. Torque the contactor mounting screws to approximately 13 lbf-in (1.4 N•m)
- Install all 10 wires removed in Step 4 to the new contactor using a #2 Phillips driver. Torque the screws to 15 lbf-in (1.7 N•m). If necessary, refer to Table 1 for terminal connections for each wire.

NOTICE Be careful not push the yellow control wires too far into the contactor terminals 13NO, 14NO, +A1, -A2 to avoid clamping on the wire insulation instead of the conductor.

Table 1. Contactor Wiring Connections

Wire#	Contactor (M1) Terminal
L1-1	2T1
L2-1	4T1
L3-1	6T1
T1	1L1
T2	3L2
T3	5L3
3	+A1
4	-A2
5	14NO
6	13NO

8. Close the enclosure door.
9. Install the shoulder screws saved from Step 2 with a Torx T15 driver and a torque value of approximately 22.5 lbf-in (2.5 N•m).
10. Restore all power to TB1. This includes incoming pump and IQ2 control power on L1-L2 (for single-phase pump applications) or L1-L3 (for 3-phase pump applications) as well as the D1 – D2 dispenser interface.

Contact Veeder-Root / Red Jacket Technical Support for additional troubleshooting information at 1-800-323-1799 or technicalsupport@veeder.com