

HYDRUS 2000 LOCKWOOD SAFETY RELAY INSTALLATION INSTRUCTIONS

BILL OF MATERIALS: (1) TIME DELAY RELAY, (1) RELAY SOCKET & YELLOW JUMPER WIRE

STEP 1 - Remove the relay from the existing relay socket. Disconnect and leave the wires in place for new Socket (Figure 1).

STEP 2 - Remove the relay socket from the din rail.

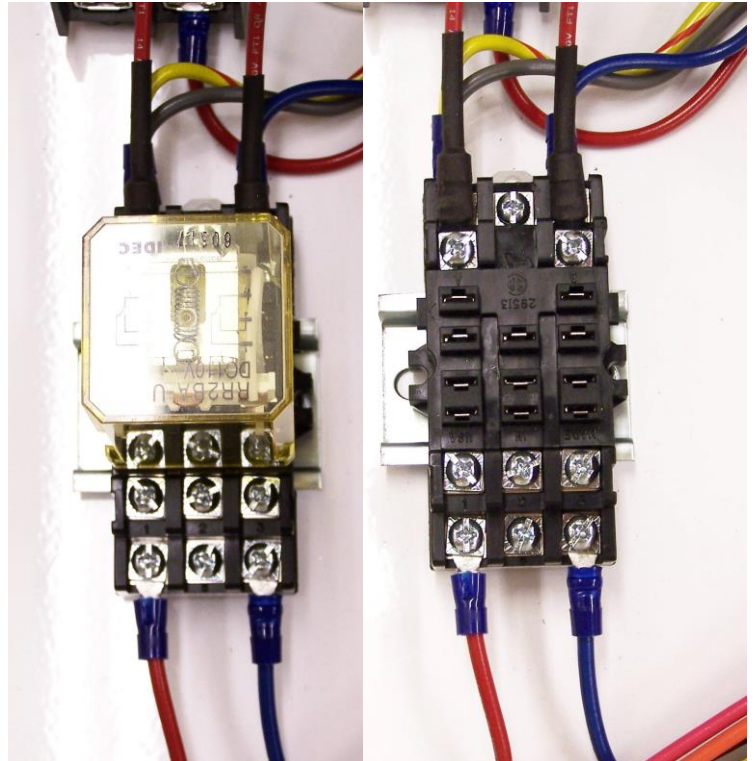


Figure 1

STEP3 - A: Remove the Capacitor/Resistor assembly from the bridge Rectifier (Figure 2).

B: Remove the White wire from the rectifier and from terminal block position #3 .

C: Cut the yellow connector off the end of the paired white wires, strip the end of the longer of the two white wires and insert the stripped end into terminal block position #3.

D: Remove the Yellow/Red wire from the rectifier and terminal block position #10.

E: Remove the bridge rectifier from the panel.

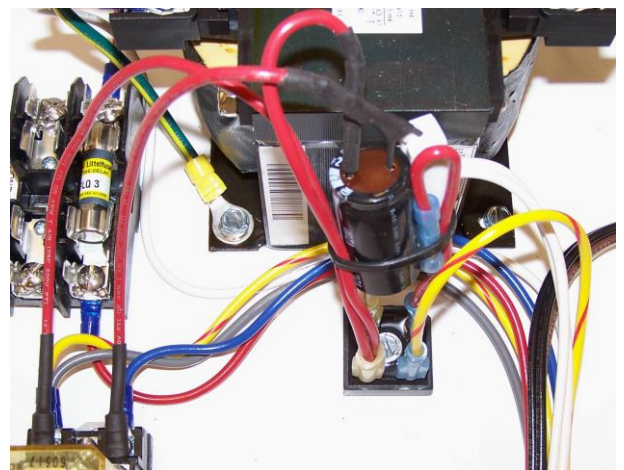


Figure 2

STEP 4 - Remove the terminal strip jumper connecting TS11 & TS12 (Figure 3).

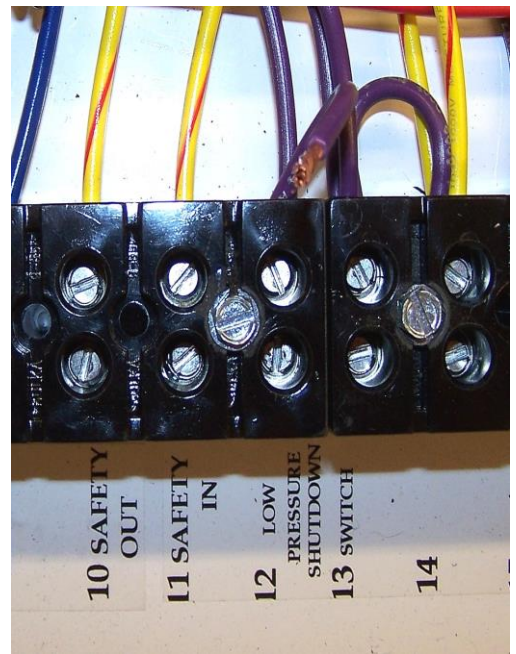


Figure 3

STEP 5 - Install new wire jumper between TS10 & TS12 (Figure 4).

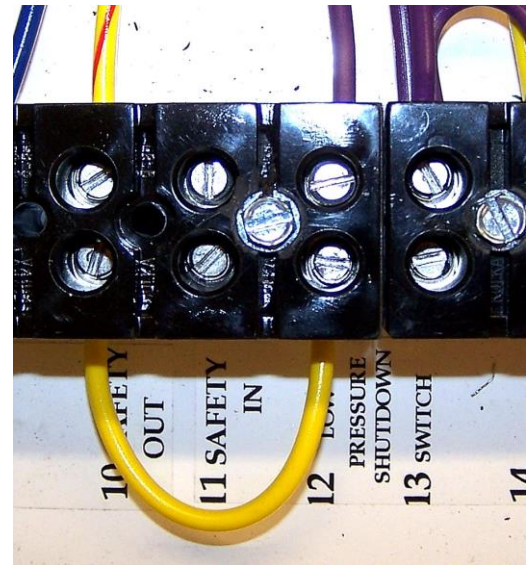


Figure 4

STEP 6 - A: Install the new relay socket on the din rail (Figure 5). The new socket has a White and Yellow/Red wires installed for the relay coil.

B: Connect the White wire in terminal strip TS5..

C: Connect the Yellow/Red wire to terminal strip TS11.

D: Reconnect the paired Gray and Yellow/Red wires to the upper socket terminal to the right of the White wire (Figure 5).

E: Reconnect the upper Blue wire to the upper socket terminal to the right of the paired Yellow/Red and Gray wires (Figure 5).

F: Reconnect the Red wire to the lower left socket terminal (Figure 5).

G: Connect the lower Blue wire to the lower right to terminal strip TS8 (Figure 5).

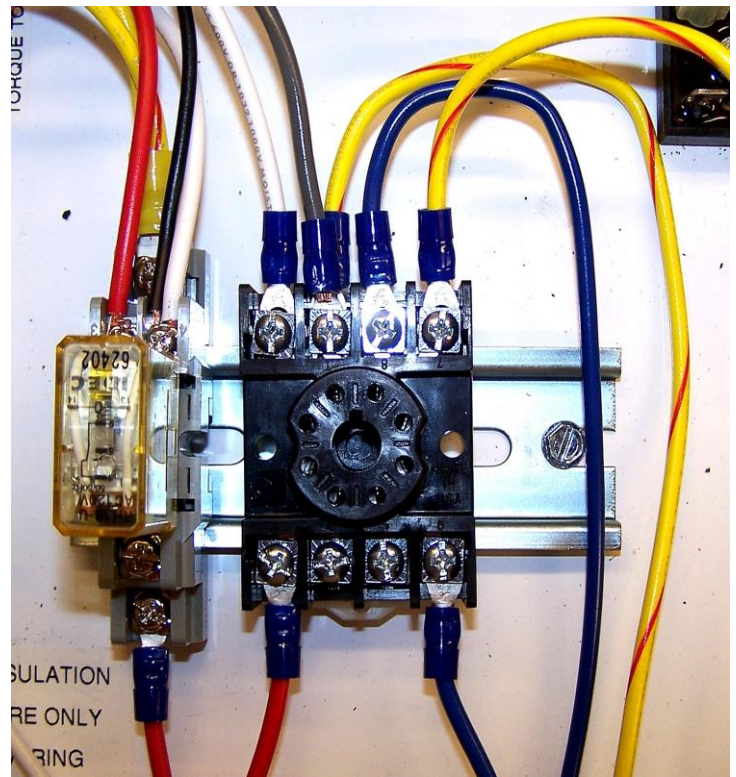


Figure 5

STEP 7 - Install the new time delay relay. Set the first dial to the "A" position. Adjust the second dial to the desire delay. As shown in Figure 6, this setting should provide approximately 3 seconds.

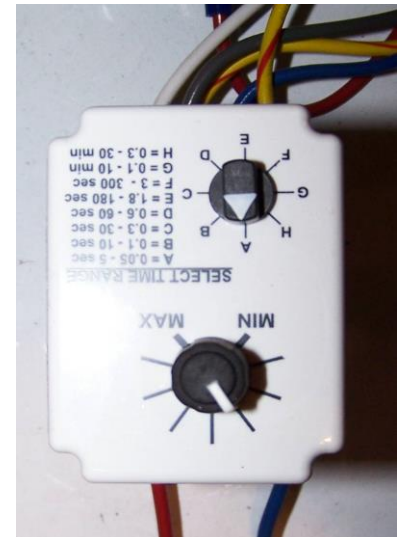


Figure 6