

INSTALLATION INSTRUCTIONS FOR SYMCOM'S PUMPSAVER MODEL ALT

**BE SURE POWER IS DISCONNECTED PRIOR TO INSTALLATION!!
FOLLOW NATIONAL, STATE AND LOCAL CODES!**

CONNECTIONS (STANDARD SPDT OUTPUT CONFIGURATION)

1. Mount the Model OT08 octal socket or other octal socket in a convenient location inside the pump control panel. (See other side for relay configurations other than SPDT.)
2. Connect one of the pump's magnetic contactor coils (#1) between socket terminal 2 and one side of the power supply (see Figure No. 1).
3. Connect the other pump's magnetic contactor coils (#2) between socket terminal 8 and the same side of the power supply as in step #2 (see Figure No. 1).
4. Connect socket terminal 1 and 5 to one side of the pressure or float switch as shown in Figure No.1.
5. Connect the power supply to socket terminals 3 and 4.
6. Connect the unconnected side of the pressure switch, float switch or other control switch input between socket terminal 5 and the same supply wire as terminal 4.
7. Plug the Model ALT into the socket. The Model ALT-24 is for 24VAC control circuits, the Model ALT-115 is for 115VAC control circuits, and the Model ALT-230 is for 230VAC control circuits. The Model ALT-12-S is for 12VAC or DC control circuits.

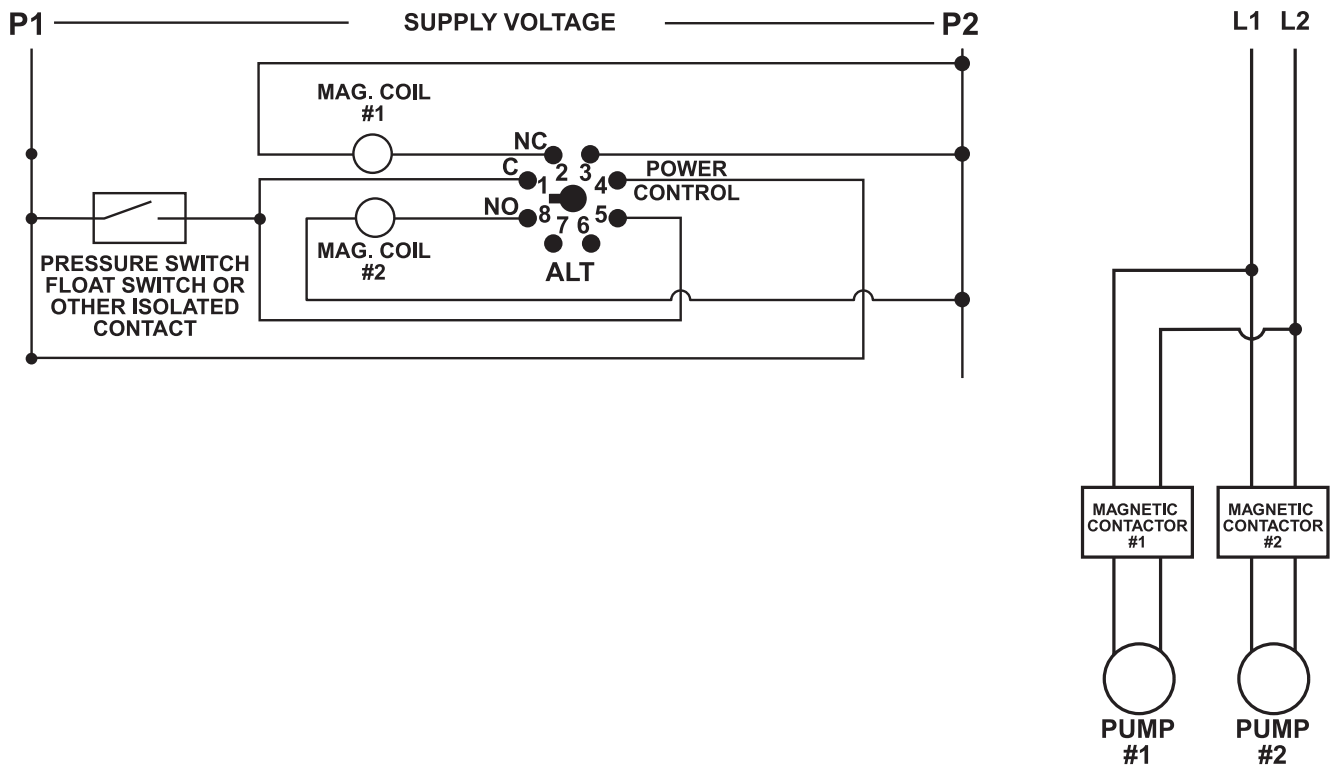


FIGURE NO. 1: Typical Wiring Diagram for the Model ALT-xxx-S

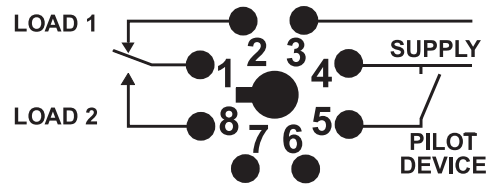


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OPTIONS

Single Pole, Double Throw Output Relay - If the model number has a -S suffix, then the Model ALT is equipped with a SPDT output relay. This is the standard configuration described on the previous page.



Cross Connected DPDT Contacts - If the model number has a -X suffix, then the Model ALT has a DPDT output relay which is cross-wired for special applications.

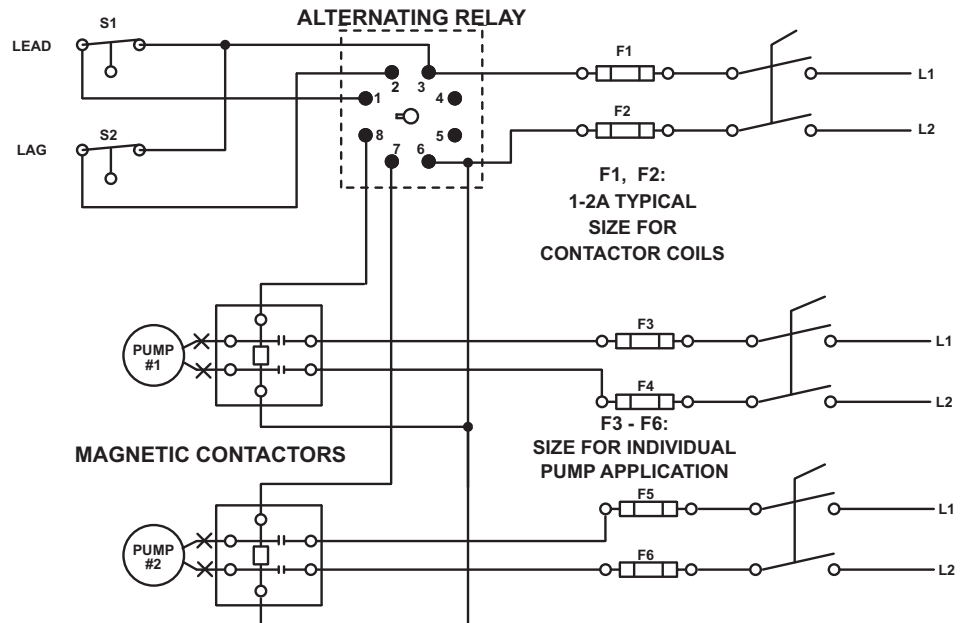
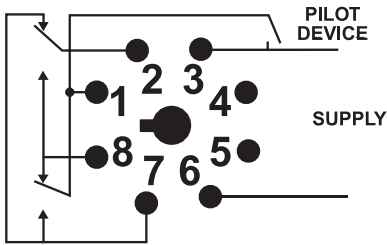


Figure No. 2: Cross connected typical wiring diagram.

Cross Connected Wiring Diagram

1. L1 and L2 wiring must be consistently maintained throughout the system wiring as shown in the diagram.
2. The control circuit should be separately fused to avoid disabling the control circuit when one pump is disconnected for service.
3. Operation: 1) S1 and S2 open, both pumps are off; 2) S1 closed and S2 open, one pump runs; 3) S1 transition from closed to open alternates to the next load; 4) S1 and S2 closed, runs both pumps together.
4. The "X" is the location for the N.O. contact of optional PumpSaver pump protectors.
5. Not available in 12V.

Manual / Automatic Switch - If the model number has a -SW suffix, then the Model ALT has an optional Manual/Automatic switch. The optional Manual/Automatic switch has three positions: Load1 - Automatic - Load2. In either of the side settings, the loads are not alternated. The specific load is continuously used when called for by the pilot device. In the center setting, the Model ALT alternates between the two loads.

**ANY QUESTIONS OR COMMENTS
CALL SYMCOM, INC. AT
1-800-843-8848**