

INSTALLATION INSTRUCTIONS FOR SYMCOM'S MOTOR SAVER MODEL CP-5

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

CONNECTIONS

1. Mount the MotorSaver in a convenient location in the pump control panel and near the wires supplying the center pivot control panel. If the location is wet or dusty, then mount the MotorSaver in a NEMA 3R or 4 enclosure.
2. Run one of the wires supplying the center pivot control panel through the center of the current transformer supplied with the Model CP-5. **DO NOT REMOVE THE CURRENT TRANSFORMER FROM THE MODEL CP-5.**
3. Connect the pump control power to the Model CP-5's internal power terminals marked "L1" and "L2" on the MotorSaver (See Figure No. 1).
4. Connect the normally open output contact in series with the pump controls as shown in Figure No. 1

TYPICAL WIRING DIAGRAM FOR MODEL CP-5

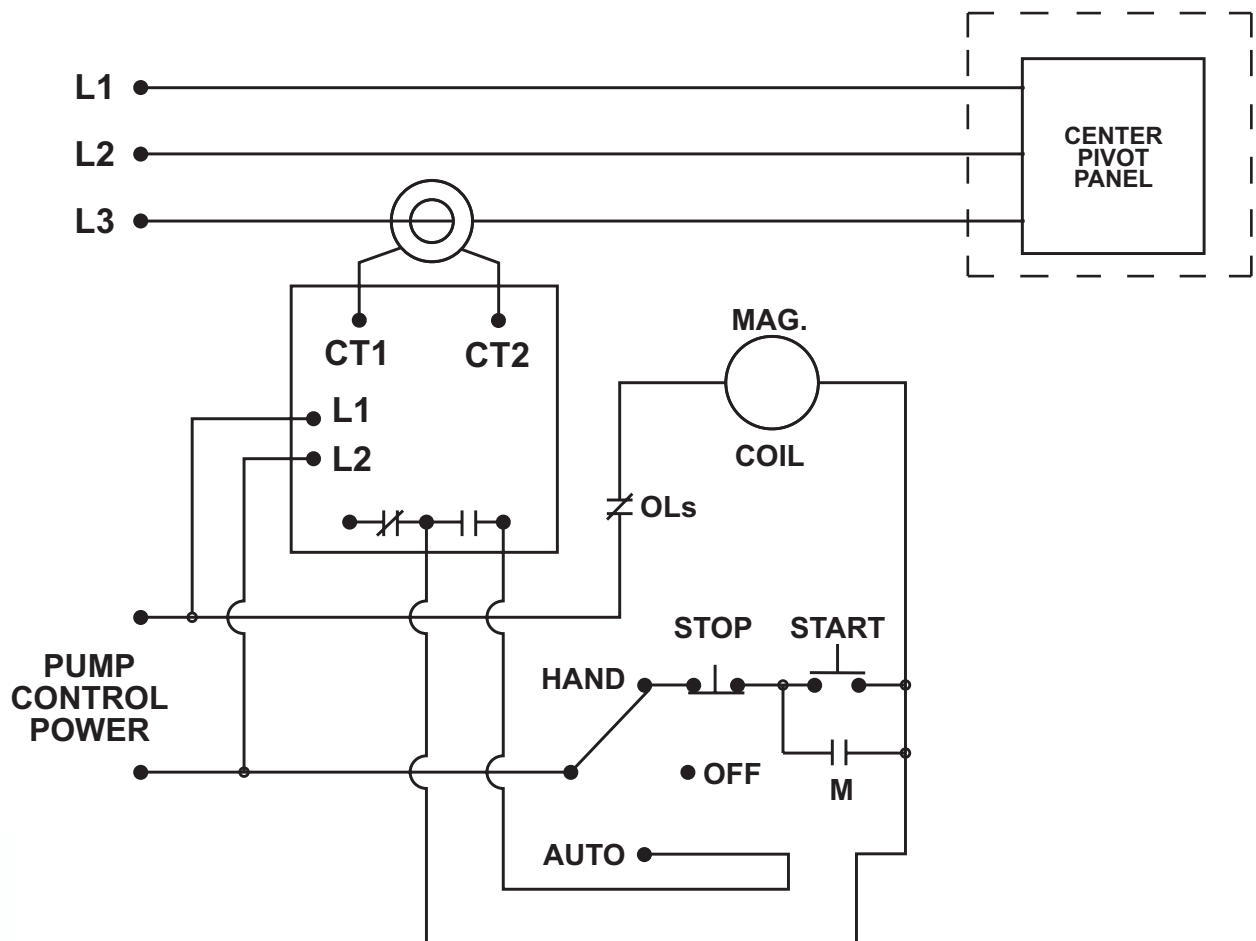


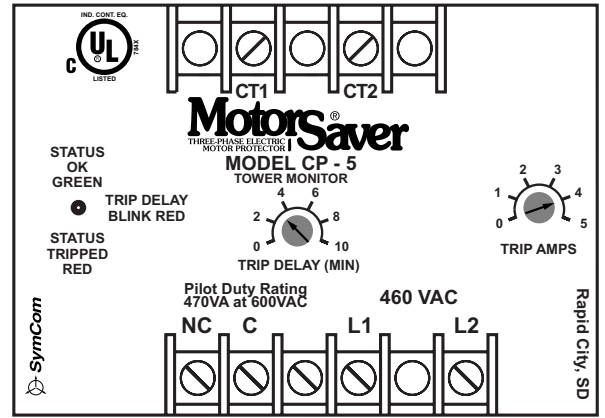
FIGURE NO. 1: Typical Wiring Diagram for the Model CP-5.

II-CP-5-B

SETTINGS

1. Set the trip level by first turning the "TRIP AMPS" pot fully clockwise. Second, turn on the power to the Model CP-5 ("L1" and "L2"). Third, turn on the power to the pivot control panel. Be sure the pivot motors are not running. Fourth, slowly rotate the "TRIP AMPS" pot counter-clockwise until the Model CP-5's output relay energizes (signified by an audible click and a green color on the LED after a one second delay). Fifth, turn the "TRIP AMPS" pot back 1/16 of a turn clockwise. This is the proper set point.

2. Set the "TRIP DELAY" pot to the desired position. The trip delay is the amount of time after the pivot motors stop running before the pump is turned off. The Model CP-5 will wait this amount of time before its output contacts de-energize after setting the "TRIP LEVEL" pot in step #1 above. **This setting should not normally be lower than 3.5 minutes.**



OPERATION

The Model CP-5 will not allow the pump to run until the current feeding the pivot control panel is above the "TRIP AMPS" setting. After the current to the pivot control panel exceeds the "TRIP AMPS" setting, the output contact will energize, thus turning on the pump after a 1.0 second reset delay. When the current feeding the pivot control panel drops below the "TRIP AMPS" setting (signifying shut-down of the pivot motors), the output contact will de-energize, thus turning off the pump after a trip delay as set on the "TRIP DELAY" dial.

**CONGRATULATIONS!!!! YOU HAVE JUST INSTALLED
THE FINEST PIVOT MOTOR CONTROL AVAILABLE!!!**

**IF YOU HAVE ANY QUESTIONS OR COMMENTS,
PLEASE CONTACT SYMCOM AT
1-800-843-8848**