

DESCRIPTION OF OPERATION
 DC RELAY PANEL USED FOR COMMUNICATION BETWEEN THE
 REMOTE CONTROLLED PUMPS AND THE MAIN PANEL S.O. ITEM "M"
 JACKSONVILLE, NORTH CAROLINA
 S.O. 15726, ITEM N

Reference Wiring Diagram 902072-01.

This DC Relay Panel is used for communication between a remote pump and the main control panel at the water plant. The panel includes two 48 volt DC relays of the plug-in type which are activated by momentary push button contact closures at the main water plant control panel. When the operator at the water plant presses the start button for this pump, it energizes relay CR1 in this panel momentarily, which will provide a momentary output contact closure between terminals 6 and 7 of this panel. This momentary closure of the CR1 contact will pull in the motor starter, which then seals itself in. When the operator at the main plant presses the stop button for this pump, it momentarily energizes relay CR2 at this panel, which breaks the motor starter pilot circuit dropping out the starter. The CR2 contacts that interrupt the pilot circuit are wired to terminals 8 and 9.

An auxiliary contact of the motor starter is to be connected to terminals 3 and 4, which will transmit the signal back to the main plant control panel indicating when the pump is running by lighting a light at that location. There is a phone jack for the operator to plug in the sound powered telephone, at which time he would press the call button, signalling by a light at the main panel that he wishes to speak with the operator.

TITLE	DESCRIPTION OF OPERATION JACKSONVILLE, N.C. S.O. 15726, ITEM N	DESIGNED TWM	DRAWN	CHECKED <i>W. L. W.</i> 8-6-75	REVISION A
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