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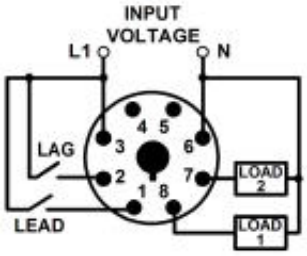
Image may not be exact product—for reference only.



Use socket: 70169-D

ARP120A3R

Family: ALTERNATING RELAY
Function: DPDT CROSS-WIRED
Input: 120 VAC
Output: 10A DPDT X WIRED

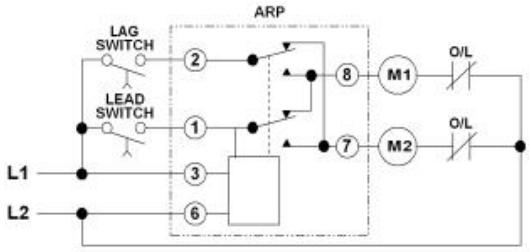
Distributor Stock Status:

Allied: Distributor part #70175250
Newark: Distributor part #04M5443
Grainger: Distributor part #6MPN9
Galco: Distributor part #ARP120A3R-MCRM

Description of function:

In the off state, both the Lead Control Switch and the Lag Control Switch are open, the Alternating Relay is in the LOAD A position, and both loads are off. When the Lead Control Switch closes, it energizes the first load (M1). The red LED marked "LOAD A" ? glows. As long as the Lead Control Switch remains closed, M1 remains energized. If the Lag Control Switch closes, it energizes the second load (M2). When the Lag Control Switch opens, the second load (M2) is turned off. When the Lead Control Switch opens, the first load (M1) is turned off and the Alternating Relay toggles to the LOAD B position. When the Lead Control Switch closes, it turns on the second load (M2). The red LED marked "LOAD B" glows. If the Lag Control Switch closes, it will energize the first load (M1). When the Lag Control Switch opens, the first load (M1) is turned off. When the Lead Control Switch opens, the second load (M2) is turned off, the Alternating Relay toggles back to the LOAD A position, and the process can be repeated again. NOTE: if the Lag Control Switch does not close while the Lead Control Switch is closed, the Alternating Relay will act as a normal unit.

Function Chart:



- **Voltage Tolerance:** AC Operation: +10/-15% of nominal at 50/60 Hz.
- **Load (Burden):** Less than 3 VA
- **Indicator LEDs:** Two LEDs marked LOAD A and LOAD B
- **Output Contacts:** 10A @ 240V AC/30V DC, 1/2HP @ 120/240V AC (N.O.), 1/3HP @ 120/240V AC (N.C.)
- **Life:** Mechanical: 10,000,000 operations; Full Load: 100,000 operations
- **Temperature:** -28º to 65º C (-18º to 149º F)
- **Insulated Voltage:** 2,000 volts
- **Approvals:** LISTED with Appropriate Macromatic Socket

Dimensions