



# INSTALLATION INSTRUCTIONS

## ARP ALTERNATING RELAYS

January 2010

901-0000-060 Rev F

(Replaces Rev E Dated November 2009)

**READ INSTRUCTIONS BEFORE INSTALLING OR OPERATING THIS DEVICE. KEEP FOR FUTURE REFERENCE.**

### Warning

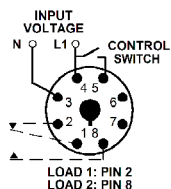
Potentially hazardous voltages are present. Turn off all power supplying this equipment before connecting or disconnecting wiring.

### Installation & Wiring

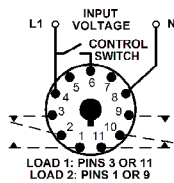
1. Mount the appropriate 8, 11 or 12 pin socket in an enclosure.
2. Wire the socket per one of the diagrams below corresponding to your product. Any type of switch (float, manual, timing relay, pressure, or one with an isolated contact) can be used.

**NOTE:** If you are using the same control voltage for both the Alternating Relay and the two loads, you must add a jumper between Terminals 1 & 5 on the SPDT unit or Terminals 2, 6 & 10 on the 11 pin DPDT unit. **If using multiple switches on the DPDT cross-wired units, check to see the proper sequence of switch closures is followed, i.e., LEAD before LAG, STOP before LEAD, etc.**

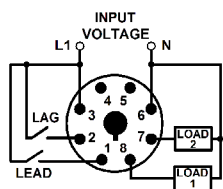
3. Set the low-profile selector switch to "ALTERNATE" for normal operation. In this mode, the unit will operate as a normal Alternating Relay, alternating between the two loads on each subsequent closing and open of the control switch. Setting the selector switch to either "LOAD 1" or "LOAD 2" will lock the unit to either one of the loads. By locking the Alternating Relay to one load, the other load can be removed for service without rewiring the first load for continuous operation.
- WARNING:** When the selector switch is locked in either the LOAD 1 or LOAD 2 position, it does not disconnect voltage from the equipment to be serviced.
4. Plug into socket.



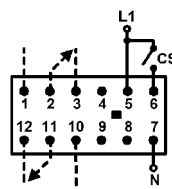
**SPDT**  
(A6 and A6R suffix)



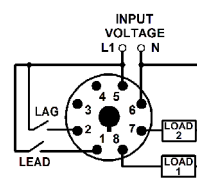
**DPDT**  
(A2 and A2R suffix)



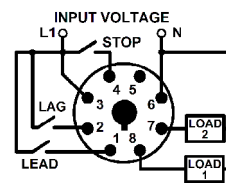
**DPDT Cross Wired**  
(A3 and A3R suffix)



**DPDT**  
(A4 and A4R suffix)



**DPDT Cross Wired**  
(A5 and A5R suffix)



**DPDT Cross Wired  
for 3 Switches**  
(A8 and A8R suffix)