



INSTALLATION INSTRUCTIONS ATP TRIPLEX ALTERNATING RELAYS

September 2010

901-0000-117 New

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

Warning

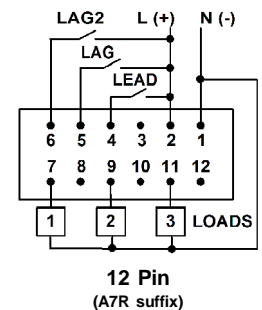
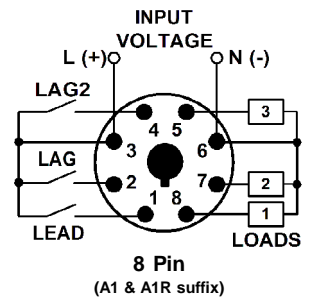
Potentially hazardous voltages are present. Turn off all power supplying this equipment before connecting or disconnecting wiring.

Installation & Wiring

1. Mount the appropriate 8 or 12 pin socket in an enclosure.
2. Wire the socket per one of the diagrams at right corresponding to your product or as shown on the side of the product.
3. (**No "R" suffix**) Products without the 8-position rotary switch will operate as a normal Triplexor with three inputs.
4. ("**R" suffix**) Products with the optional 8-position rotary switch can be used as either:
 - (a) a standard Triplexor with three inputs
 - (b) a Triplexor locking Load 1, 2 or 3 as the first to be energized (Lead Load)
 - (c) a standard Duplexor with two inputs until system expansion requires a third Load
 - (d) a Duplexor locking Load 1 or 2 as the first to be energized (Lead Load)

Rotate the switch to the desired function. **Note:** do not change the setting of this switch with power applied to the unit.

5. Plug the product into the socket.
6. If power is lost & returns with more than just the LEAD Switch closed, there is a fixed 10 second delay between energization of the LAG output (Triplex & Duplex mode) & LAG2 output (Triplex mode only) to prevent all Loads from coming on at the same time.
7. One of the Red LED's will be steady ON to indicate which Load will be energized first; all will flash (3 in Triplex mode or 2 only in Duplex mode) to indicate a switch out-of-sequence error.



Triplex Operation

All three switches are open and all loads are off. When the LEAD Switch closes, it energizes Load 1. As long as the LEAD Switch remains closed, Load 1 remains energized. If the LAG Switch closes, Load 2 is energized. If the LAG2 Switch closes, it energizes Load 3. Each load is turned off in sequence as the switches are opened. The entire cycle is then repeated, but with Load 2 energized first followed by Load 3 and then Load 1.

NOTE: the power for all outputs is supplied from the L connection, not through the input switches (see drawing at right). **NOTE:** in Duplex mode ("**R" suffix**), the LAG2 input & the Load 3 output are non-functional.

