JR SERIES
ALTERNATING RELAY

UL listed CSA recognized

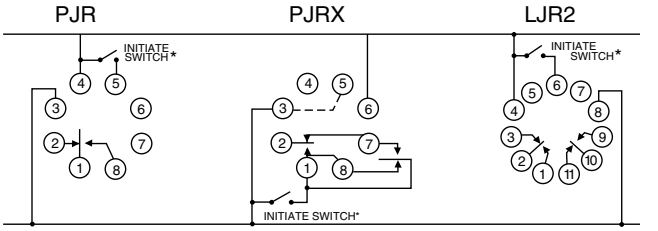
- **Duplex Alternating Control**
- **SPDT or DPDT Control Relay**
- **10 Amp Rated**
- **Externally Controlled**

The electronic alternating relay is designed to replace mechanical style devices used in control applications requiring a duplexing or alternating action of the control circuits to operate pumps, compressors, etc. This is achieved by activating a control switch which is common to one side of the input control voltage. The output contact of the relay(s) change state when this switch is opened (on de-energization of the control circuit). When the control initiate switch is actuated and released or opened, the relay will change state. The next time the initiate switch is actuated and released it will change back to its original state. Two red LED's located on the top of the dust resistant enclosure provide the status of the relay.

SPECIFICATIONS:

Input	24 VAC/DC, 110, 220 VAC ± 15%, 50/60 Hz	
Maximum power consumption	24 VAC: 1.5 VA 110 VAC: 5 VA 220 VAC: 11 VA	
Output	SPDT 10 A resistive DPDT 10 A resistive DPDT 10 A crosswired	
Minimum pulse	30 ms	
Contact material	AgCdO	
Maximum loading	10 A AC resistive	8 A DC inductive
Maximum switching voltage	250 VAC	250 VDC
Relay maximum power rating	2200 VA	80 W
Mechanical life of relay	3×10^6 operations	
Electrical life of relay	2×10^5 at 2200 VA resistive load	
Operating temperature	14°F to 140°F	-10°C to +60°C
Weight	2.8 oz. (100g)	

WIRING DIAGRAM:



* INITIATE SWITCH must be isolated from other circuits

ORDERING INFORMATION:

L MOUNTING — **JR2** SERIES — **110A** INPUT POWER

MOUNTING
L = 11 pin plug-in
P = 8 pin plug-in

SERIES
JR2 = DPDT (LJRZ only)
JR = SPDT
JRX = DPDT crosswired

INPUT POWER
24A = 24 VAC/DC
110A = 110 VAC
220A = 220 VAC

JRS SERIES
ALTERNATING RELAY WITH SELECTOR SWITCH

UL listed

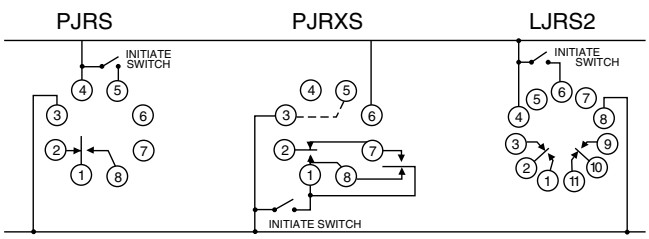
- **Duplex Alternating Control**
- **SPDT or DPDT Control Relay**
- **10 Amp Rated**
- **Externally Controlled**
- **Selection of Lead or Lag Load**

The electronic alternating relay is designed to replace mechanical style devices used in control applications requiring a duplexing or alternating action of the control circuits to operate pumps, compressors, etc. This is achieved by activating a control switch which is common to one side of the input control voltage. The output contact of the relay(s) change state when this switch is opened (on de-energization of the control circuit). When the control initiate switch is actuated and released or opened, the relay will change state. The next time the initiate switch is actuated, it will change back to its original state. Two red LED's located on the top of the dust resistant enclosure provide the status of the relay. A 3 Position Selector switch is installed for selection of normal operation (alternating) or selection of lead or lag load.

SPECIFICATIONS:

Input	24 VAC/DC, 110, 220 VAC ±15%, 50/60 Hz
Maximum power consumption	24 VAC: 1.5 VA 110 VAC: 5 VA 220 VAC: 11VA
Output	SPDT 10 A resistive DPDT 10 A resistive DPDT 10 A crosswired
Minimum pulse	30 ms
Contact material	AgCdO
Maximum loading	10 A AC resistive 8 A DC inductive
Maximum switching voltage	250 VAC 250 VDC
Relay maximum power rating	2200 VA 80 W
Mechanical life of relay	3 x 10^6 operations
Electrical life of relay	2 x 10^5 at 2200 VA resistive load
Operating temperature	14°F to 140°F -10°C to +60°C
Weight	2.8 oz. (100g)

WIRING DIAGRAM:



ORDERING INFORMATION:

L — MOUNTING
JRS 2 — SERIES
110A — INPUT POWER

MOUNTING
L = 11 pin plug-in
P = 8 pin plug-in

SERIES
LJRS 2 = DPDT
PJRS = SPDT
PJRXS = DPDT (crosswired)

INPUT POWER
24A = 24 VAC/DC
110A = 110 VAC
220A = 220 VAC

NOTE: DPDT relay available only with 11 pin plug-in (L).