WRA SERIES PHASE CONTROL RELAY

UL listed CSA recognized (220 VAC Version Only)

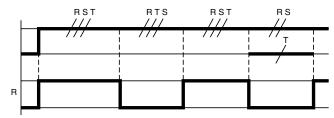
Monitors

Phase Sequence
Loss of Any Phase even if Induced Voltage
reaches 95% of Nominal Voltage

- LED Relay Status Indicator
- SPDT 10 Amp Relay Output



MODE OF OPERATION:



The WRL Phase Control Relay monitors the sequence loss or reversal of three phase power supplies. The output relay is energized when the phase sequence is correct and is de-energize when the phase sequence is wrong or one phase is lost. It monitors the symmetry of 3 voltages and a loss of phase even when the voltage is reinjected through a machine. The rate of asymmetry is controlled between 5% and 15% by a top mounted potentiometer.

SPECIFICATIONS:

 Input Power Directly
 3 x 220 60 Hz

 from controlled voltage ±15%
 3 x 380 60 Hz

 3 x 440 60 Hz

 Power consumption
 3 VA at 220 V

 Output
 SPDT relay

 Contact material
 AgCdO

Maximum Loading10 AC resistive8A DC inductiveMaximum switching voltage250 VAC250 VDCRelay max. power rating220 VA80 W

 Mechanical life of relay
 30 x 10° operations

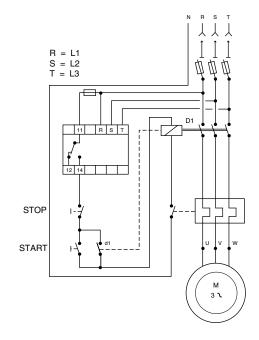
 Electrical life of relay
 2 x 10° operations at 2200VA resistive load

 Operating temperature
 +14°F to +140°F
 -10°C to +60°C

Weight 7 oz. (200g)

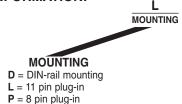
Note: The alarm threshold adjustment is 5% to 15% of asymmetry between the phases. The initial response time is .1 seconds at 5% asymmetry and 1 second at 15% after input power is applied. When a phase loss or failure occurs, the "off delay" response time is 100 ms.

WIRING DIAGRAM:

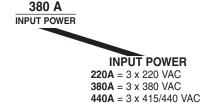


DWRA	11	12	14	R	S	Т
LWRA	1	4	3	5	6	7
PWRA	1	2	8	3	4	5

ORDERING INFORMATION:



WRA
SERIES
SERIES
WRA

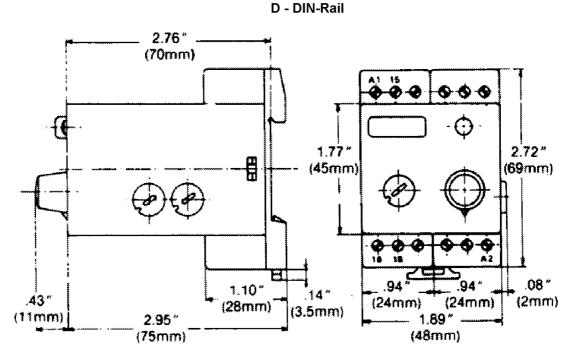


Products and specifications subject to change without notice.

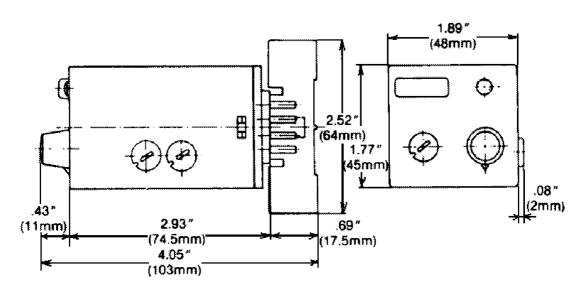
Consult factory for application assistance.

DIMENSIONS:





L & P - Sockets



Products and specifications subject to change without notice.

Consult factory for application assistance.