

WRA SERIES PHASE CONTROL RELAY

UL listed CSA recognized (220 VAC Version Only)

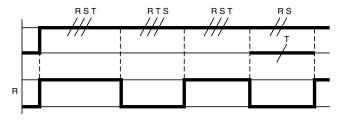
Monitors

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:

Maximum Loading 10 AC resistive 8A DC inductive Maximum switching voltage . . 250 VAC 250 VDC Relay max. power rating 220 VA 80 W

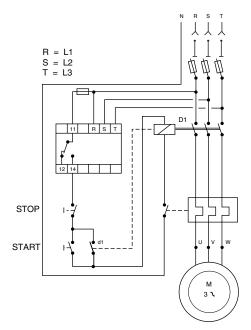
Mechanical life of relay 30 x 106 operations

Electrical life of relay 2 x 10⁵ operations at 2200VA resistive load Operating temperature +14°F to +140°F -10°C to +60°C

Weight 7 oz. (200g)

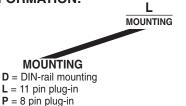
Note: The alarm threshold adjustment is 5% to 15% of asymmetry between the phases. The initial response time is .1 seconds at 5% asymmetry and 1 second at 15% after input power is applied. When a phase loss or failure occurs, the "off delay" response time is 100 ms.

WIRING DIAGRAM:

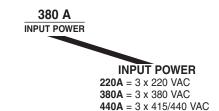


DWRA	11	12	14	R	S	Т
LWRA	1	4	3	5	6	7
PWRA	1	2	8	3	4	5

ORDERING INFORMATION:



SERIES WRA



Products and specifications subject to change without notice.

Order/Technical Support - Tel: (800) 677-5311 / FAX: (800) 677-3865 / www.crouzet-usa.com

