

# WRL SERIES PHASE CONTROL RELAY

UL listed CSA recognized



- **Monitors**
  - Phase Sequence**
  - Loss of Any Phase even if Induced Voltage reaches 95% of Nominal Voltage**
- **Under Voltage Detection**
- **Trip Delay Timer Built-in**
- **LED Relay Status Indicator**



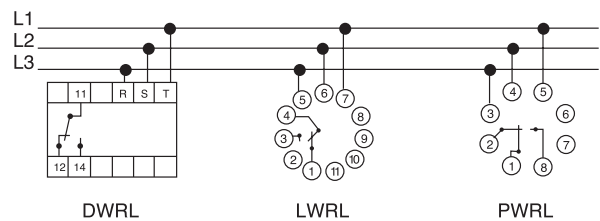
## MODE OF OPERATION:

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 the phase voltage is above the voltage threshold set by the front knob. The output relay will de-energize after 2 seconds (built-in timer) when the phase voltage drops under the voltage threshold or when phase sequence is lost. The WRL Series is available in three voltage ranges: 230 VAC, 380 VAC and 480 VAC.

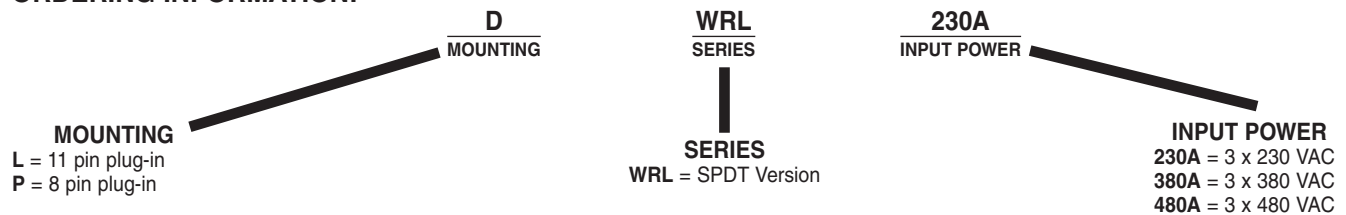
## SPECIFICATIONS:

<b>Input Power</b> .....	3 x 230 (50/60 Hz)
	3 x 380 (50/60 Hz)
	3 x 480 (50/60 Hz)
<b>Maximum voltage</b> .....	3 x 280 VAC
	3 x 420 VAC
	3 x 530 VAC
<b>Minimum voltage</b> .....	3 x 160 VAC
	3 x 260 VAC
	3 x 340 VAC
<b>Threshold adjustment range</b> .....	160 to 230 VAC
	260 to 380 VAC
	340 to 480 VAC
<b>Max power consumption</b> .....	2 VA
<b>Dial accuracy</b> .....	±10%
<b>Temperature De-rating</b> .....	±0.04%/°C
<b>Dead Band</b> .....	4% of 480 VAC
<b>Response Time</b> .....	300 ms on Make
	2 sec on Break
<b>Output</b>	
SPDT Version (WRL) Series) .....	10 Amp 250 VAC
<b>Max. power consumption</b> .....	2000 VA
<b>Max. voltage</b> .....	250 VAC
<b>Electrical life</b> .....	2 x 10 <sup>7</sup> operations
<b>Mechanical life</b> .....	1 x 10 <sup>6</sup> operations
<b>Operating temperature</b> .....	-10°C to +60°C
<b>Weight</b> .....	3.5 oz. (100g)

## WIRING DIAGRAM:



## ORDERING INFORMATION:



Products and specifications subject to change without notice.

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