

# **Excellent Integrated System Limited**

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

Crouzet USA DWRA440A

For any questions, you can email us directly: <a href="mailto:sales@integrated-circuit.com">sales@integrated-circuit.com</a>



Datasheet of DWRA440A - CONTROL RELAY PHASE 3X440VAC DIN Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

CONTROLS



**CONTROLS** 

# WRA SERIES PHASE CONTROL RELAY

UL listed CSA recognized (220 VAC Version Only)

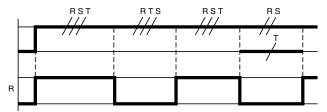
Monitors

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
 3 vA at 220 V

 Output
 SPDT relay

 Contact material
 AgCdO

 Maximum Loading
 10 AC resistive

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

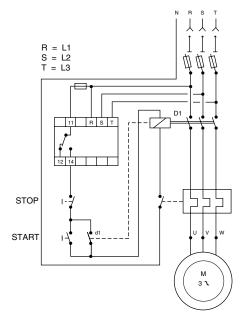
Mechanical life of relay  $\dots 30 \times 10^6$  operations

Electrical life of relay ...... 2 x 10<sup>5</sup> operations at 2200VA resistive load Operating temperature ..... +14°F to +140°F -10°C to +60°C

Weight ..... 7 oz. (200g)

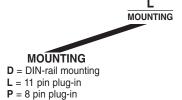
**Note**: The alarm threshold adjustment is 5% to 15% of asymmetry between the phases. The initial response time is .1 seconds at 5% asymmetry and 1 second at 15% after input power is applied. When a phase loss or failure occurs, the "off delay" response time is 100 ms.

#### **WIRING DIAGRAM:**

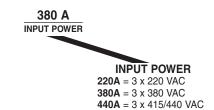


DWRA	11	12	14	R	S	Т
LWRA	1	4	3	5	6	7
PWRA	1	2	8	3	4	5

#### **ORDERING INFORMATION:**







Products and specifications subject to change without notice.

Consult factory for application assistance.

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## **Distributor of Crouzet USA: Excellent Integrated System Limited**

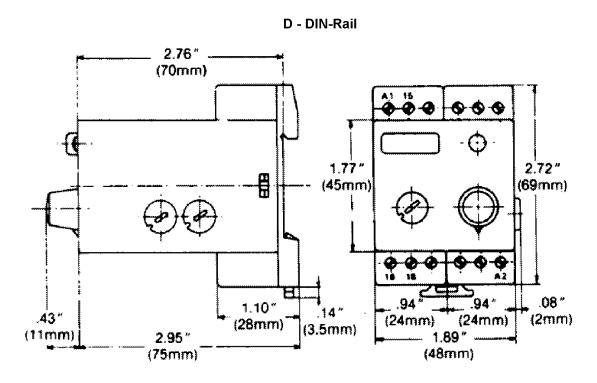
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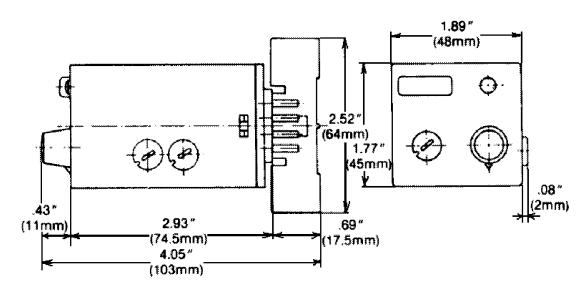


### **CONTROLS**

#### **DIMENSIONS:**



#### L & P - Sockets



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