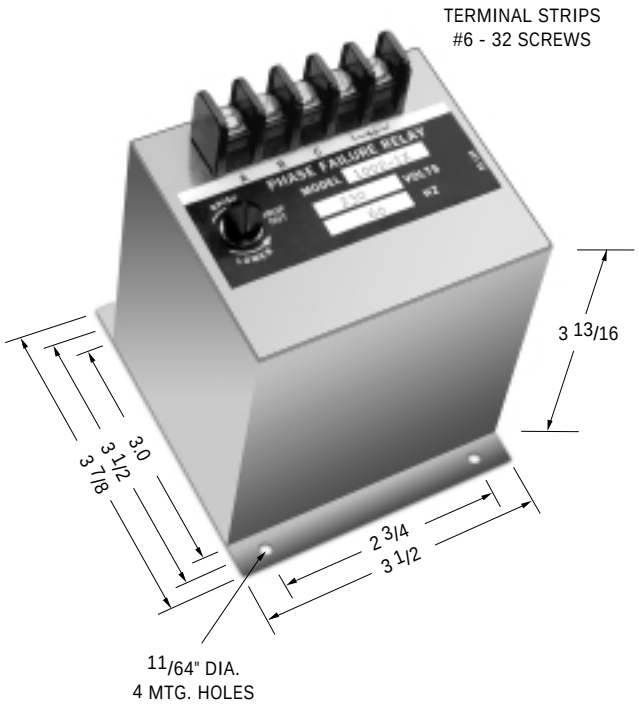
WILMAR™ Protective Relays – 1000 Series



Note: Dimensions in inches. Multiply values by 25.4 for dimensions in mm.

Function: 47

- ANSI/IEEE C37.90-1978
- UL file No. E58048
- CSA file No. LR61158

Phase failure relays protect motors, equipment and personnel from damage or injury caused by open phase, reversed phase sequence, or low voltage in a three phase system. Models are available for 50 and 60 Hz with voltages up to 575 volts. Motor control switchboards are a common application.

Operation:

The contacts of the relay will close only when it senses normal conditions of three phase power at the proper phase sequence.

The relay contacts will remain in their normally open position (de-energized) when voltage with incorrect phase sequence is applied, one or more phases are open, or at undervoltage condition.

PRODUCT SPECIFICATIONS	
Part Number	**1000 Series**
Nominal Voltage	See Table
Voltage Drop-Out	75% to 100% of nominal, screwdriver adjustable
Pick-Up to Drop-Out Differential	3% approx.
Ambient Operating Temperature	-40°C to +70°C
Temperature Drift	± 1%
Time Delay	See Curve
Output Contacts	One set, normally open
Contact Ratings	10 amp at 28 VDC resistive
	10 amp at 230 VAC resistive

PART NUMBER SELECTION

Sample Part No. 1004X

Type:

- 1001 = 120 V, 60 Hz, 3 phase,L-L
- 1007 = 208 V, 60 Hz, 3 phase, L-L
- 1002 = 230 V, 60 Hz, 3 phase,L-L
- 1012 = 300 V, 60 Hz, 3 phase, L-L
- 1013 = 350 V, 60 Hz, 3 phase, L-L
- 1003 = 380 V, 50 Hz, 3 phase, L-L
- 1004 = 460 V, 60 Hz, 3 phase,L-L
- 1005 = 525 V, 60 Hz, 3 phase,L-L
- 1006 = 575 V, 60 Hz, 3 Phase, L-L

Mounting:

- X = Flange
- Blank - Stud

Consult factory for additional models and options

Notes:

1. Remove screw for access to the undervoltage adjustment.
2. Clockwise rotation of the adjustment potentiometer will raise the drop-out voltage.