

Voltage Monitoring Relay

NEW

Part No. **AMR-AP3U690V2D**

FEATURES

- Undervoltage Monitoring 3-Phase
- Phase Sequence and Phase Failure
- Supply Voltage = Measuring Voltage
- 22.5mm Wide Industrial Design

FUNCTIONS

- Undervoltage Monitoring
- Phase Sequence Monitoring
- Phase Failure Monitoring



SPECIFICATIONS

Measuring circuit

Measured Variable	3 Phase, AC Sinus
Input	Terminal L1, L2, L3
Overload Capacity	3 Phase 794V
Hysteresis	approx. 2% of adjusted value
Asymmetry	fix, 25%
Base Accuracy	≤3% (of max. scale value)
Adjustment Accuracy	≤5% (of max. scale value)
Repetition Accuracy	≤2%
Temperature Influence	≤0.07% / °C

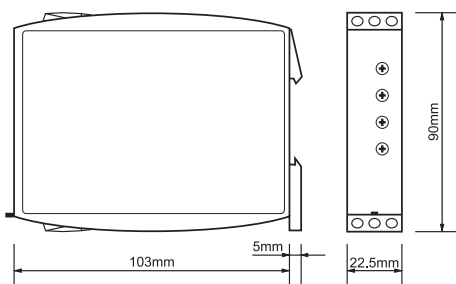
Input

Supply Voltage/ Measuring Voltage	3 Phase/ 177V-794V
Frequency	20-70Hz
Power Consumption	2VA (1.2W)
Reset Time	500ms
Drop-out voltage	>20% of Supply

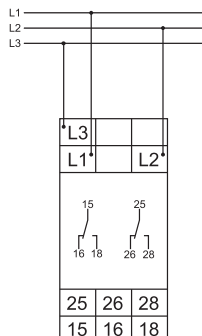
Output

Output Configuration	2 x DPDT (C/O)
Output Contact Rating	5A/ 250VAC 5A/ 30VDC
Trip Delay	0.1s-10s (adjustable)
Electrical Life	200,000 cycles
Mechanical Life	2,000,000 cycles
Switching Frequency	max. 60/min

Dimensions



Connection Diagram



Material

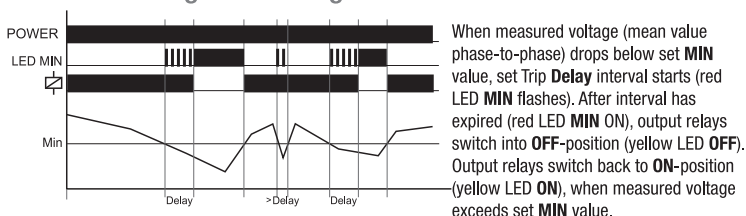
Operating Temperature	-25 - 70°C
Storage Temperature	-25 - 70°C
Protection	IP40 (Enclosure), IP20 (Terminals)
Terminal Torque	1.0 Nm (8.5lbin)
Wire Size Terminals	20-14 AWG
Weight	

Indicators

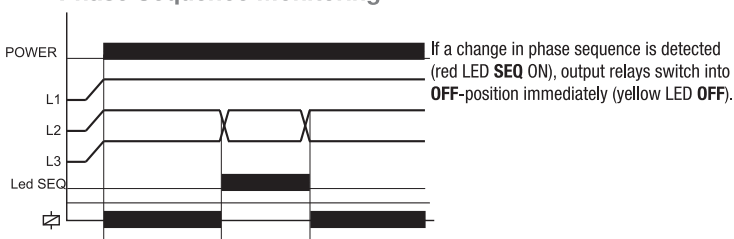
Green LED POWER ON	Supply Voltage present
Red LED MIN ON	Failure - Undervoltage
Red LED MIN flashes	Indicator Trip Delay
Red LED SEQ ON	Failure - Phase Sequence
Yellow LED ON/ OFF	Indicator Relay Output

FUNCTIONS

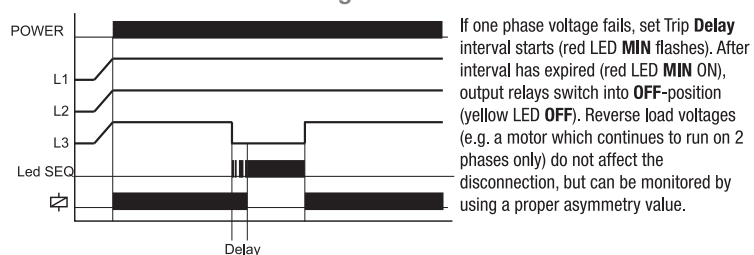
Undervoltage Monitoring



Phase Sequence Monitoring



Phase Failure Monitoring



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