

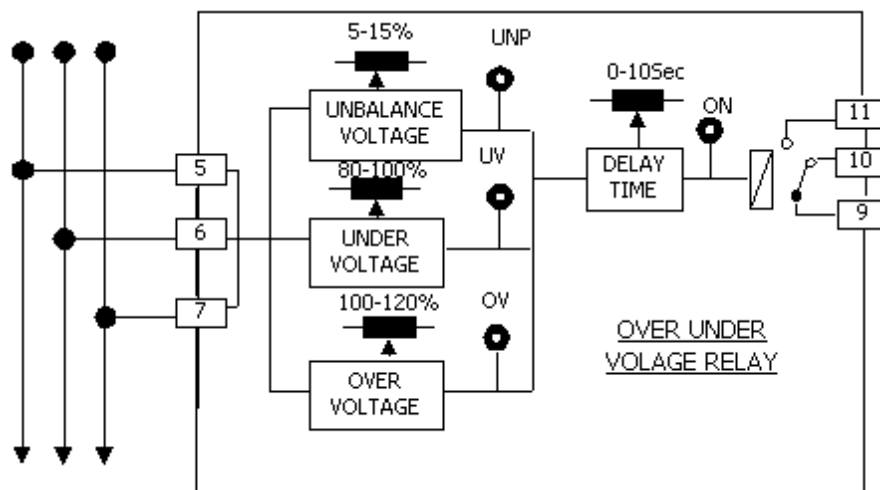
Asymmetry Relay

AR95



- Protects Against Phase Loss And Phase Reversal
- Protects Against Undervoltage Or Overvoltage
- Protects Against Phase Unbalance
- Time Delay Adjustable From 0 To 10 Seconds.
- Unbalance Setting Range 5 - 15 %

Asymmetry Relay AR95 This device monitors for 3 phase voltage imbalances, incorrect phase sequences, and undervoltage or overvoltage conditions (based on the 3 phase average). Under normal operating conditions, the relay is energized (ON) and the red LED is illuminated. If a voltage imbalance exceeds the preset threshold, the relay de-energizes (OFF); a time delay of 0-10 seconds can be configured for this de-energization using the "Delay" adjustment knob. The device serves to protect against unbalanced loads, phase loss (incomplete 3 phase supply), phase reversal, undervoltage, and overvoltage.



Specifications

Input

Number of Channel: 1 Channel

Input Type: 3 Phase

Input Range: 110, 380 VAC

(Line to Line Voltage)

Unbalance: Adjustable 5 to 15 % of V_n .

Over Voltage: Adjustable 100 to 120 % of V_n . (Average of Three Phase)

Under Voltage: Adjustable 100 to 80 % of V_n . (Average of Three Phase)

Time Delay: Adjustable 0 to 10 sec

Relay Output

Number of Channel: 1 Channel

Relay Type: N.O., N.C. (SPDT)

Contact Rating: 3 A @ 250 VAC

Ordering Information: Specify Input

Example AR95/380 VAC

Package Checklist

1. AR95

Power Requirements

Power Supply: 110, 380 VAC

Environmental Limits

Operating Temperature: 0 to 55 °C

Operating Humidity: 5 to 95% RH

Storage Temperature: 0 to 70 °C

Physical Characteristics

Dimension: W50 x H70 x D130 mm.

Mounting: Wall or DIN Rail

Connection: Plug-in 11 Pins Socket

Wiring: Screw Terminals on Base Socket

Warranty

Warranty Period: 5 Year