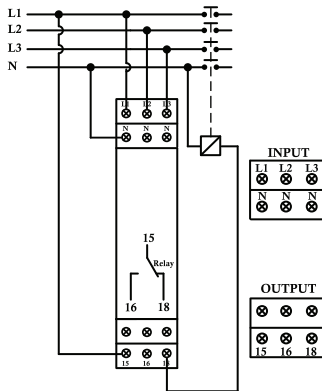


Protection Relays

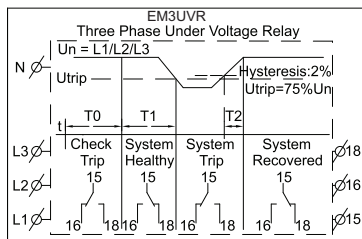
Three Phase Under Voltage Relay (EM 3UVR)



Connection Diagram



Functional Diagram



Application:

'elmex' UVR is used for highly fluctuating inductive load such as Air Conditioning system in Industrial and commercial establishments. It protects the system equipment and load from sudden over voltage fluctuations.

Salient Features:

- 17.5 mm DIN Rail Mount.
- Self - Powered Protection Relay.
- 1x SPDT Relay Output.
- Robust Universal power supply.
- Green LED for supply healthy indication.
- Red LED for healthy sensing indication.
- 12 bit sensing.

Technical Specification

Supply Voltage

Supply / Monitoring Voltage 220 / 230 / 240*
(Un) L1 / L2 / L3 - N

Frequency Range 48-63 Hz

Power consumption 5 VA Maximum

Monitoring Mode Under Voltage

Trip Level (U trip) 75% of Un (Factory Set)

Hysteresis 2% (Factory Set)

Setting Accuracy + 4%

Delays

Power On Delay (t) 5 Mins (Min) to 15 mins (Max)

From Trip to recovery Time Delay (T2) 5 Mins (Min) to 15 mins (Max)
(Settable by linear potentiometer)

Output Specifications

Output Contact SPDT

Contact Rating 1A @125VAC / 2A @30 VDC

LED Indications

Power On 3mm Green LED

Healthy Indications 3mm Red LED

Housing

Material Polyamide 6,6

Colour Grey

Dimension 90x56.4x17.5

Mounting TS 35 DIN Rail

*Supply / Mounting Voltage (Un) Refers to The Phase to Neutral Nominal Voltage For Product and It's Variants. Product Needs 3Ø, 4 - Wire Connections System. Hence For Reference Purpose Phase to Phase Voltage Can be Calculated by Multiplying Stated Values by v3.