



Technical Specifications:

- Microprocessor-based.
- Operating temperature: between -5°C and +55°C.
- Supply voltage 220 VAC $\pm$ %20 (L-N)
- Under Voltage Setting: Adjustable between 150 V – 210 V
- Over Voltage Setting: Adjustable between 230 V – 300 V
- Hysteresis: 5 V (on energization)
- Release Delay (t-Off): Adjustable between 0.1 sec – 20 sec
- Cable cross-section: 1x 0.5–4 mm²
- Screw tightening torque: 0.5 NM
- Complies with IP20 EN 60529 standards
- Control output: 1 changeover, 10A / 250 VAC
- Electrical life: 100,000 switching cycles (resistive load)

Warnings for Safe Use and Installation:

- Disconnect all supply voltage before performing any operation on the device.
- Do not energize the device before mounting it onto the panel.
- Check that all connections are correct before operating the device.
- In case of any malfunction, contact your authorized dealer.

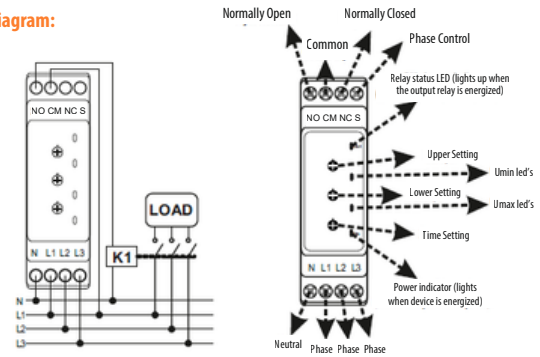
General:

- **Phase Sequence Error:** If the phase sequence is incorrect, the device does not provide output.
- **Phase Loss Error:** If any phase is missing, the device does not provide output.
- **Voltage Imbalance:** Under and over voltage limits can be adjusted separately. If phase-to-neutral voltages are outside the set limits, the device does not provide output.
- **Release Delay (t-off):** If the phase voltages go the set upper and lower limits, the device waits for the adjusted t-off time before cutting off the output.

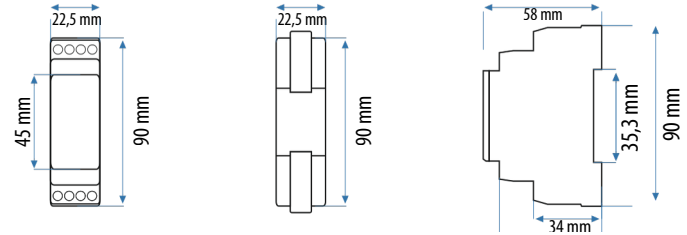
LED INDICATION TABLE:

On	Umin(L)	Umax(P)	Out	Led On	Led Off	Led Flashing
1	1	1	1	N or L1 phase (supply phase) not connected or disconnected		
1	1	1	1	Voltages are within the set limits		
1	1	1	1	Temporary under-voltage warning		
1	1	1	1	Continuous under-voltage warning		
1	1	1	1	Temporary over-voltage warning		
1	1	1	1	Continuous over-voltage warning		
1	1	1	1	If LEDs light up sequentially: temporary and extreme under-voltage warning		
1	1	1	1	Continuous over and under voltage warning		
1	1	1	1	If LEDs turn ON and OFF together: phase sequence error		
1	1	1	1	T-On fault		
1	1	1	1	(Fast flashing): phase loss warning		

Connection Diagram:



Dimensions:



Assembly:

