

General

UVR-5153 Under Voltage Relay is designed for preventing three phase devices to get harmed from long-term voltage fluctuations.

Usage of Device and Working Principle

Please make the connections according to the diagram. Once the device is energized when the phases are within normal values it counts up to the adjusted delay time, after the relay gets activated and out led turns ON. While this position 15-18 outputs gets into short circuit position. Once any of the phases decrease under 170V, after 1 seconds relay gets de-activated and out led turns off. While this position 16-15 contact outputs in short-circuit position. If all the phases gets above 180V, device counts up to the adjusted time and relay gets activated and out led turns ON.

Maintenance

Switch off the device and release from connections. Clean the trunk of device with a swab. Don't use any conductor or chemical might damage the device. Make sure device works after cleaning.

Warnings

- Please use the device according to the manual.
- Don't use the device in wet.
- Include a switch and circuit breaker in the assembly.
- Put the switch and circuit breaker nearby the device, operator can reach easily.
- Mark the switch and circuit breaker as releasing connection for device.

Tecnical Specifications

|                         |                                                              |
|-------------------------|--------------------------------------------------------------|
| Operating Voltage(Un):  | 415V AC and neutral                                          |
| Operating Frequency:    | 50/60 Hz.                                                    |
| Operating Power:        | <6VA                                                         |
| Operating Temperature : | -20°C.....+55°C                                              |
| Under Voltage:          | ~170V                                                        |
| Display:                | On led and Out led                                           |
| Delayed (t):            | 5min. - 15min.                                               |
| Weight:                 | Max.110gr.                                                   |
| Contact:                | 5A/250V AC (Resistive Load)                                  |
| Mounting:               | Vertical assembled in the panel or assembled on the din rail |
| Operating Altitude:     | <2000meter                                                   |
| Cable Diameter:         | 1,5mm <sup>2</sup>                                           |

