

SAFETY PRECAUTIONS

1. The device must be installed by a qualified person,
2. Disconnect all power before working on the device. Don't touch any terminal when the power is ON.
3. Verify correct terminal connection when wiring.
4. Don't dismantle or repair the device whether it operates normally, otherwise no responsibility is assumed by producer and seller.
5. Never use the device at the site which can be invaded by corrode gas, strong sunshine light and rain.
6. Clean the device with a dry cloth.
7. Fail to follow these instructions will result in serious injury or death.

DESCRIPTION

UVR-5151/UVR-5153 is used for single or three phase supply voltage control and protecting against undervoltage fluctuation at a fixed voltage. Restart time delay (5-15min adjustable) can protect motors against abrupt restarts.

FEATURES

- Supply voltage monitoring(True RMS measurement).
- Undervoltage protection.
- 1x SPDT Relay Output.
- Time delay 5-15min adjustable.
- Measurement accuracy $\leq 1\%$.
- LED indication for supply and control state.
- 1module Din rail mounting.

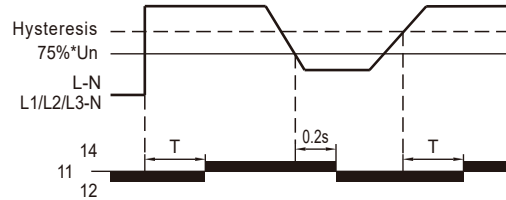
TECHNICAL DATA

Models	UVR-5151	UVR-5153
Supply terminals	A1,A2	L3,N
Supply / Monitoring Voltage	240V	240/415V
Frequency	50/60 Hz	
Power consumption	5 VA Maximum	
Monitoring Mode	Under Voltage	
Trip Level (U trip)	75% of Un (factory Set)	
Hysteresis	2% of trip level (factory set)	
Setting accuracy	5%	
Power on/restart delay (T)	5-15 mins	
Output Contact	1 C/O(SPDT)	
Contact Rating	8A/250V AC	
Protection degree	IP20	
Pollution degree	3	
Electrical life	10^5	
Mechanical life	10^6	
Altitude	$\leq 2000\text{m}$	
Operating temperature	$-25 \sim 50$	
Humidity	$\leq 50\%$ at 40 (without condensation)	
Storage temperature	$-25 \sim 55$	
Wire size	$0.5\text{mm}^2 \sim 2.5\text{mm}^2$	
Torque	0.5Nm	
Mounting	TH-35 rail (IEC/EN60715)	

UVR-51 51 /UVR-51 53 Single/Three Phase Under Voltage Relay

Please read complete instructions prior to installation and operation of the device.

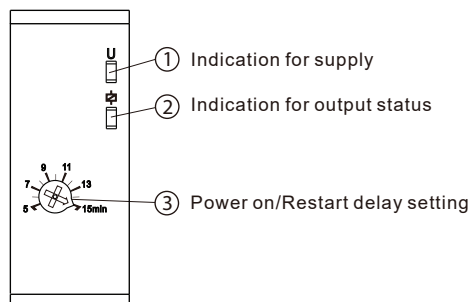
FUNCTION DIAGRAM



1. Set the power on/restart time delay as required.
2. After power supply is applied, green LED U illuminates and red LED # flashes. the output relay energises and red LED # illuminates after the set power on/restart time delay.
3. Once a under voltage fault is detected, the output relay de-energises red LED # goes out and green LED flashes.
4. After the monitored voltage is above the fixed under voltage trip level, green LED U illuminates and red LED # flashes. the output relay energises and red LED # illuminates after the set power on/restart time delay.
5. If supply terminals L/N or L3/N is disconnected, the LEDs don't indicate.

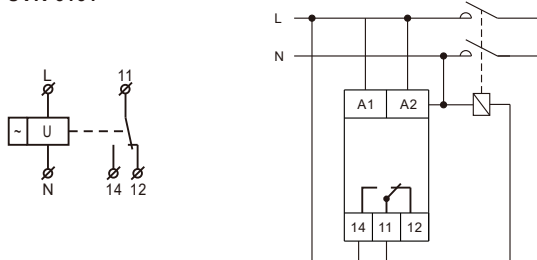


FRONT-FACE PANEL

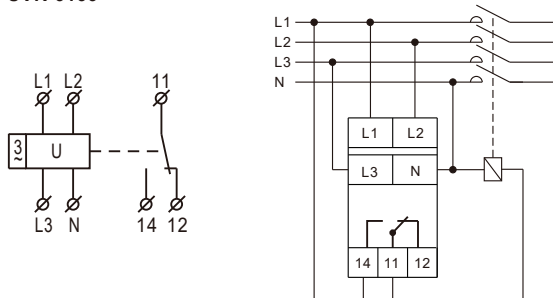


WIRING DIAGRAM

UVR-5151



UVR-5153



DIMENSION

