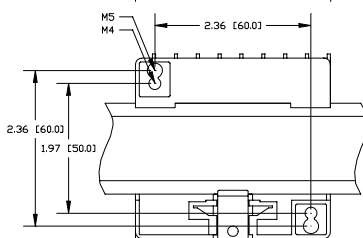
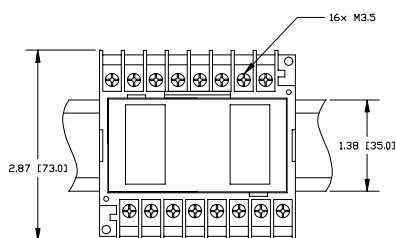
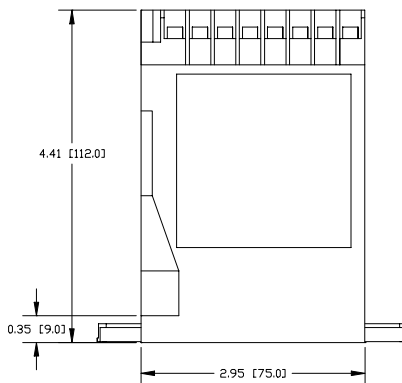


Kilovac - WD2759-XXX Over/Undervoltage

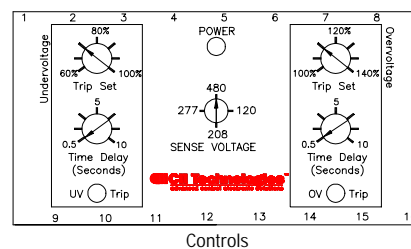
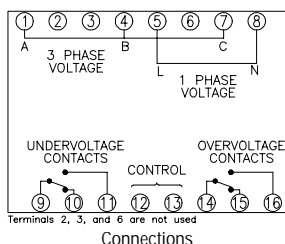
Function: 27/59

- ANSI/IEEE C37.90-1978
- DIN EN50022-35
- UL Recognized



Notes:

1. Snap Mounting for DIN rail (DIN EN 50022-35) or Screw Mounting M4 (#8) or M5 (#10)
2. Max Conductor Size:
2x 14 awg. (2.5mm²) solid to DIN 46288 or
2x 16 awg. (1.5mm²) stranded w/ end sleeves



PRODUCT SPECIFICATIONS

| Part Number | Unit | WD2759 |
|---|------|--|
| Nominal Operating Voltage | Vac | 120, 208, 277 or 480, selectable |
| Maximum Sensing Voltage | Vac | 700 |
| Nominal Frequency Range | Hz | 50-400 |
| Contact Form | | C (1 each for UV and OV) |
| Contact Ratings | A | 5 A resistive at 240 Vac 5 A resistive at 30 Vdc. |
| Time Delay Adjustment | s | 0.5 to 10 |
| Isolation from Control to Sense Inputs | Vac | 2500 |
| Operating Temperature Range | °C | -40 °C to +60 °C |
| Mechanical Life (operations) | | 1 x 10 ⁷ |
| Shock | g | 10 |
| Vibration | | 0.062" DA at 10-55 |
| Weight | lb. | .9 (.4 kg) |

SENSE VOLTAGE

| Voltage (nominal) | 120 | 208 | 277 | 480 |
|-------------------|---------|---------|---------|---------|
| UV Adj. Range | 72-120 | 125-208 | 166-277 | 288-480 |
| OV Adj. Range | 120-168 | 208-291 | 277-388 | 480-672 |

CONTROL VOLTAGE

| Model WD2759 | -001 | -002 | -003 |
|-------------------|---------------|------------|------------|
| Input Voltage Vdc | 18 to 54 | 13.5 to 32 | 100 to 200 |
| Input Voltage Vac | -- | -- | 100 to 140 |
| Power Consumption | 2.5 VA (Max.) | | |

PART NUMBER SELECTION

Sample Part No. WD2759-002
Type: WD2759 - Over/Undervoltage
Control Voltage 001 - 18 to 54 Vdc
 002 - 13.5 to 32 Vdc
 003 - 100 to 200 Vdc or 100 to 140 Vac

INSTALLATION

Wilmar WD2759 Voltage Relays mount on standard DIN rails (DIN-EN 50022) or surface mounted using screws. To mount the relay on a DIN rail hook the top edge of the cutout on the base of the case over one edge of the DIN rail then press the opposite side of the cutout containing the release clip over the opposite side of the DIN rail. To remove or reposition the relay, lever the release clip and move the relay as required. WD2759 relays should be installed in a dry location where the ambient temperature does not exceed the operating temperature range.

MAINTENANCE

Wilmar Protective Relays are solid-state devices that require no maintenance. If the relay requires repair contact CII Technologies—Kilovac and Wilmar Products for return authorization.

CALIBRATION

The calibration marks on the faceplate have a maximum error of 10% and are provided only as guides. Proper calibration requires using an accurate voltmeter in parallel with the input signal. Use the following procedure to calibrate your relay.

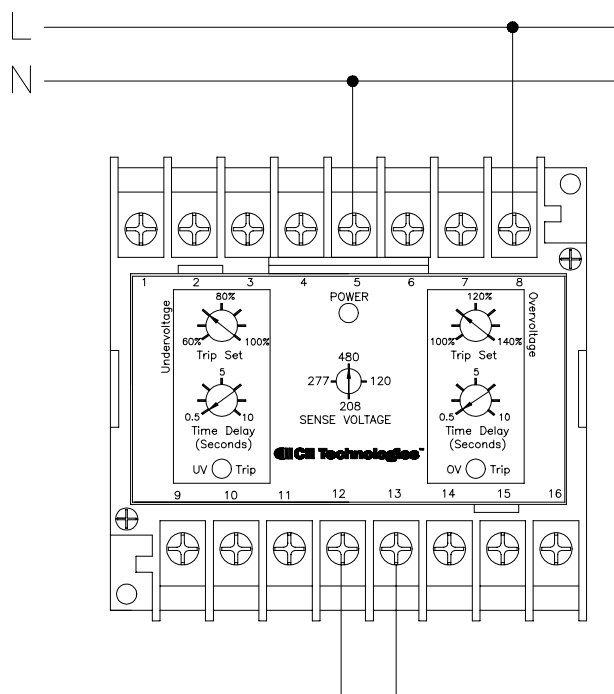
OVER VOLTAGE

1. Remove cover.
2. Adjust the TRIP SET control fully clockwise (CW) and the TIME DELAY control fully counterclockwise (CCW).
3. Apply the desired trip voltage to the relay.
4. Slowly adjust the TRIP SET control CCW until the relay trips.
5. Remove the applied voltage (do not change the voltage level) and set the TIME DELAY control to the desired time delay.
6. Apply the trip voltage to the relay and measure the time to trip.
7. Adjust the TIME DELAY and repeat steps 4 and 5 until you have the desired time delay.

UNDER VOLTAGE

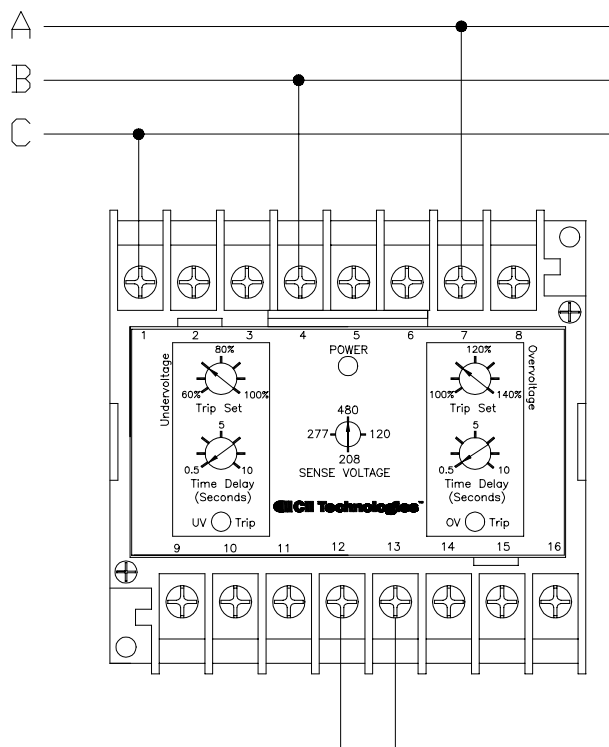
1. Remove cover.
2. Adjust the TRIP SET control fully CCW and the TIME DELAY control fully CCW.
3. Decrease the applied sensing voltage from the nominal value until the desired tripping voltage is reached.
4. Slowly adjust the TRIP SET control CW until the relay trips.
5. Set the TIME DELAY control to the desired time delay and apply nominal voltage to the relay.
6. Step down the applied voltage from nominal to a level just below the trip level set in Step 3 and measure the time delay.
7. Adjust the TIME DELAY and repeat steps 4 and 5 until the desired time delay is achieved.

SINGLE PHASE INPUT



CONTROL
BI-DIRECTIONAL AC OR DC INPUT

3 PHASE INPUT



CONTROL
BI-DIRECTIONAL AC OR DC INPUT