ANV ANV

ANV ELECTRIC

AVMR-D
DIGITAL DC VOLTAGE PROTECTION RELAY

MANUAL

⚠ WARNING Indicating a message , If not complied, May cause a misoperation to cause a person to receive Damage or property damage.

⚠ Do not contact the terminal when the power ON.
This may be caused by an electric shock or personal injury.
terminal cover must be installed after the wiring.

⃠ Do not use in places with inflammable and explosive gases.

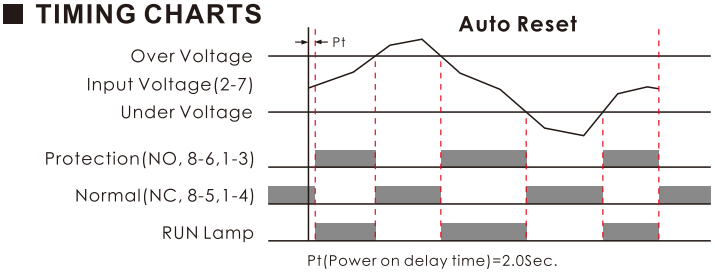
NOTICE

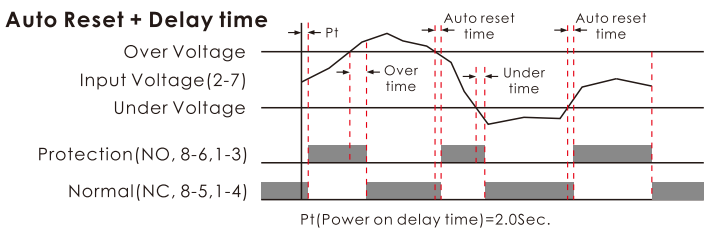
1. Installed only by qualified electrical workers.
2. Use the Timer within the specified ratings for operating temperature and humidity.
3. Take adequate protective measures (such as a breaker, or fuse)for the power supply of the Timer.
4. The voltage fluctuation must be within the specified range.

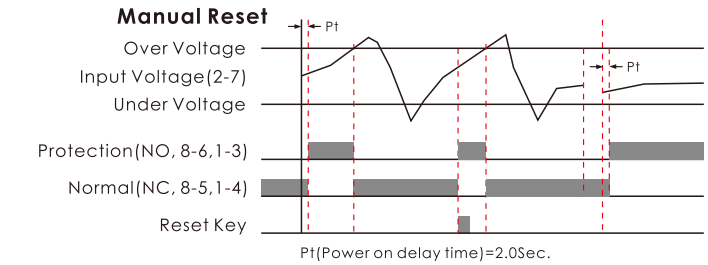
SPECIFICATIONS

Detect Range	Voltage detect range DC 8V~60V
Voltage Variation	Operating voltage range: 90% to 110%
Contact Rating	2C , 250VAC 10A Resistive load
Mounting & Socket	Surface mounting : P3G-08 Flush mounting : Y-50 & US-08 ; Y-50 & P3G-08
Indicator	RUN , LCK two indicator (Red)
Operating Modes	Over operating and Under operating two modes
Life	Mechanical: 5,000,000 Times ; Electrical: 100,000 Times
Operating Time	0.5S max.
Insulation Resistance	10 MΩ min. (at 500 VDC) between the entire electric circuitry and external case, and between the input terminal and power terminal.
Dielectric Strength	2,000 VAC for 1 min between the entire electric circuitry and external case, and between the input terminal and power terminal.
Power Consumption	5W max.
Ambient Temperature	−10℃ ~ 50℃ (with no icing)
Ambient Humidity	45 ~ 85%RH
Weight	Approx. 105g

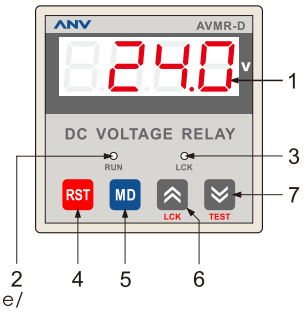
TIMING CHARTS







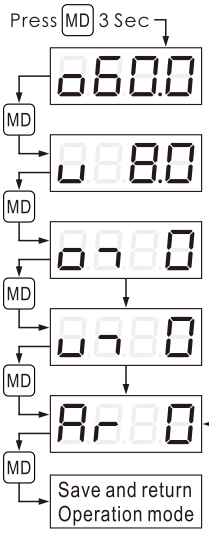
PARTS DESCRIPTION



1. PV value. Displays the voltage value .
2. RUN indicator. Light on is normal operation mode.
3. LOCK indicator. Light on is MODE locked. (Function mode is disable)
4. RESET key. During the setting, Press the reset key save setting value and return to normal operation mode.
5. MODE key. Press and hold for 3 seconds to enter function mode and press MODE key again switch to the next setting option.
6. UP key/LCK key. Setting mode is Increase/ Select key. In operation mode, press and hold for 3 seconds to lock MODE key, and then press and hold for 3 seconds to cancel.
7. DOWN key/TEST key. Setting mode is Decrease Key. In operation mode, press and hold for 1 seconds to display the settings of over voltage and low voltage and alternate every 1 second for 10 seconds. Press RESET key during the test to cancel display.

FUNCTION MODE

Press and hold the MODE key for 3 seconds to enter the mode setting. Press the UP or DOWN key to change the settings. Press MODE key to switch to next function or press RESET key to save the settings and return to working mode. If not press any key for 30 seconds, you will leave the setting mode and the settings will not be saved.



o: Over voltage value. When detection voltage is higher than the OVER value, Relay trip protection and flash the "O" word. Setting range 10.0~60.0V. Default = 60.0V.

u: Under voltage value. When detection voltage is Below the UNDER value, Relay trip protection and flash the "u" word. Setting range 8.0~58.0V. Default = 8.0V.

ot: Over voltage time. Set the time, when over voltage the relay to delay trip protection. Setting range 0~60S. Default = 0S.

ut: Under voltage time. Set the time, when voltage is lower then Under value the relay to delay trip protection. Setting range 0~60S. Default = 0S.

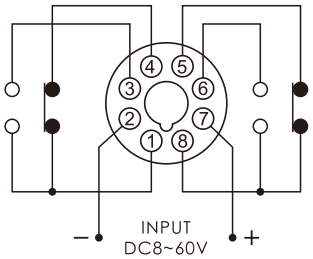
Press the UP key to select **Ar** or **Mr**, then press DOWN key change value.

Ar: Auto reset time. When voltage returns to the set range voltage from out off range voltage, the delay time of the relay returning to the operation mode. Setting range 0~60S. Default = 0S.

Mr: Manual reset. After the relay protection, you must press the RESET key can be return to operation mode.

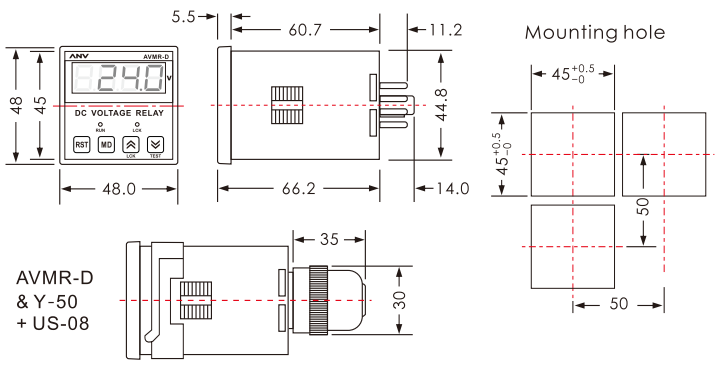
Note: When setting over voltage, cannot be set smaller than Under voltage. When setting under voltage cannot be set larger than over voltage.

CONNECTION DIAGRAMS



DIMENSIONS

Units: mm



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