



AEVR

MULTI-FUNCTIONAL DIGITAL VOLTAGE CONTROLLER

User's Manual

RESTRICTIONS ON USE

When using this product in applications that require particular safety or when using this product in important facilities, please pay attention to the safety of the overall system and equipment. Install fail-safe mechanisms, perform redundancy checks and periodic inspections and adopt other appropriate safety measures when it is necessary.

SAFETY PRECAUTION

This manual uses the following symbols to ensure safe operation of this product.

WARNING Warnings are indicated when mishandling this product might result in death or serious injury to user.

CAUTION Cautions are indicated when mishandling this product might result in minor injury to the user, or only physical damage to the timer.

WARNING

- Note this incorrect wiring of this product can damage it and lead to other hazards. Make sure the product has been correctly wired before turning the power ON.
- Before wiring, or removing / mounting the product, be sure to turn the power OFF. Failure to do so might cause electric shock.
- Do not touch electrically charged parts such as the power terminals. Doing so might cause electric shock.
- Do not disassemble the product. Doing so might cause electric shock or faulty operation.

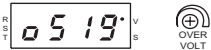
CAUTION

- Use the product within the operating ranges recommended in the specification (temperature, humidity, voltage, shock, mounting direction, atmosphere and etc.). Failure to do so might cause fire or faulty operation.
- Make sure the product is firmly connected to the socket. Failure to do so might cause electric shock or fire.

SPECIFICATIONS		NAMES AND FUNCTIONS OF FACEPLATE	
Operating voltage	AC/DC : 100 ~ 240V	Display	Voltage indication
Allowable operating voltage range	85 ~ 110% of rated operating voltage	Phase sequence	Time indicator in second
Rated frequency	50 / 60 Hz	Under voltage setting	Over voltage tripping delay
Contact rating	250VAC 5A (Resistive load)	Over voltage setting	Under voltage tripping delay
Display	Display resolution $\pm 1\%$	Setting values display	Manual reset
Power consumption	Approx. 3.3VA		Function settings
Life	Mechanical : 5,000,000 times / Electrical : 100,000 times		
Ambient temperature	-10 ~ +50 °C		
Ambient humidity	MAX 85% RH		
Enclosure protection level	IP30 / IP64 with dust cover(at front panel)		
Weight	Approx. 135g		

SETTING PROCEDURE

1. Over voltage setting



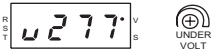
Set the desired value for over voltage. The display will show existing 3-phase voltages after 10 seconds.

3. Over voltage tripping delay setting



Set the tripping delay for over voltage. The display will show existing 3-phase voltages after 10 seconds.

2. Under voltage setting



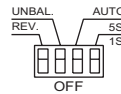
Set the desired value for under voltage. The display will show existing 3-phase voltages after 10 seconds.

4. Under voltage tripping delay setting



Set the tripping delay for under voltage. The display will show existing 3-phase voltages after 10 seconds.

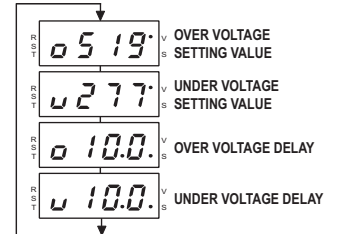
5. DIP switches setting



REV.	ON	Phase reversal protected
	OFF	Phase reversal unprotected
UNBAL.	ON	Unbalance protected
	OFF	Unbalance unprotected
AUTO	ON	Auto reset
	OFF	Manual reset
5S/1S	ON	Auto reset delay 5 sec
	OFF	Auto reset delay 1 sec

6. Setting display

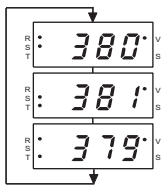
Pressing "TEST" will cycle-through all settings in sequence. 3-phase voltages are displayed after 10-second of idle.



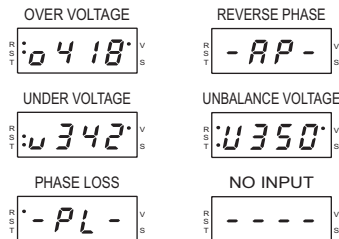
DISPLAY

1. 3-phase voltages display

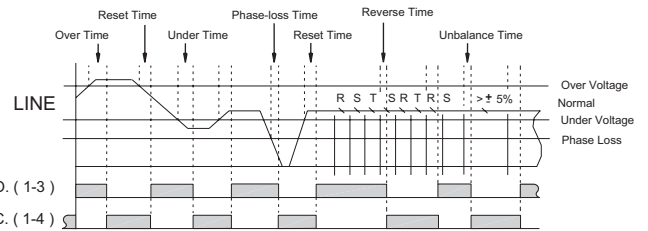
Phase-to-phase voltages are displayed in sequence.



2. Fault indications

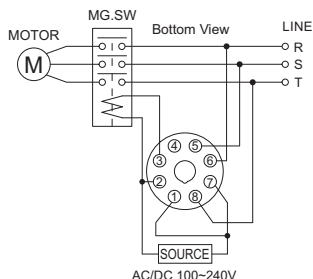


TIMING CHART

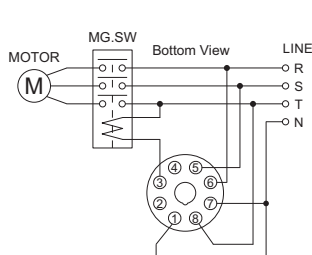


CONNECTION

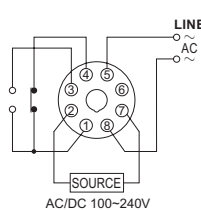
3-Phase 3-Wire



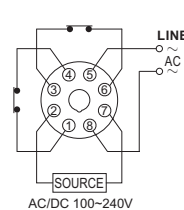
3-Phase 4-Wire



1-Phase 2-Wire 1C



2b



DC Voltage

