

## EAZY-V3 Controller User's Manual

Thank you for using this product of our company, the “EAZY-V3” controller uses the LED digital tube displays, procedures for intelligent control, to achieve the voltage control function, and voltmeter functions, battery charge and discharge etc.

In case of any printing or translation error, we apologize for the inconvenience.

### Features

Voltmeter display range : DC 0-99.9 V      Voltage detection error:  $\pm 0.1V$

Operating Power: DC10~16V                      Timer Range : 0-999 minutes,

Relay parameters:

Coil Voltage: DC 12V                                      A set of conversion (normally open and normally closed)

Contact load: **10A/277V AC or 10A/30V DC**      Contact resistance:  $\leq 100m\Omega$  (1A 6VDC)

Mechanical durability: 10 millions      Electricity durability:  $> 100,000$  (10A-250VAC)

Operating Temperature:  $-40 \sim 85^{\circ}C$

Set display shut, the minimum current values are 6mA/12V (delay released)

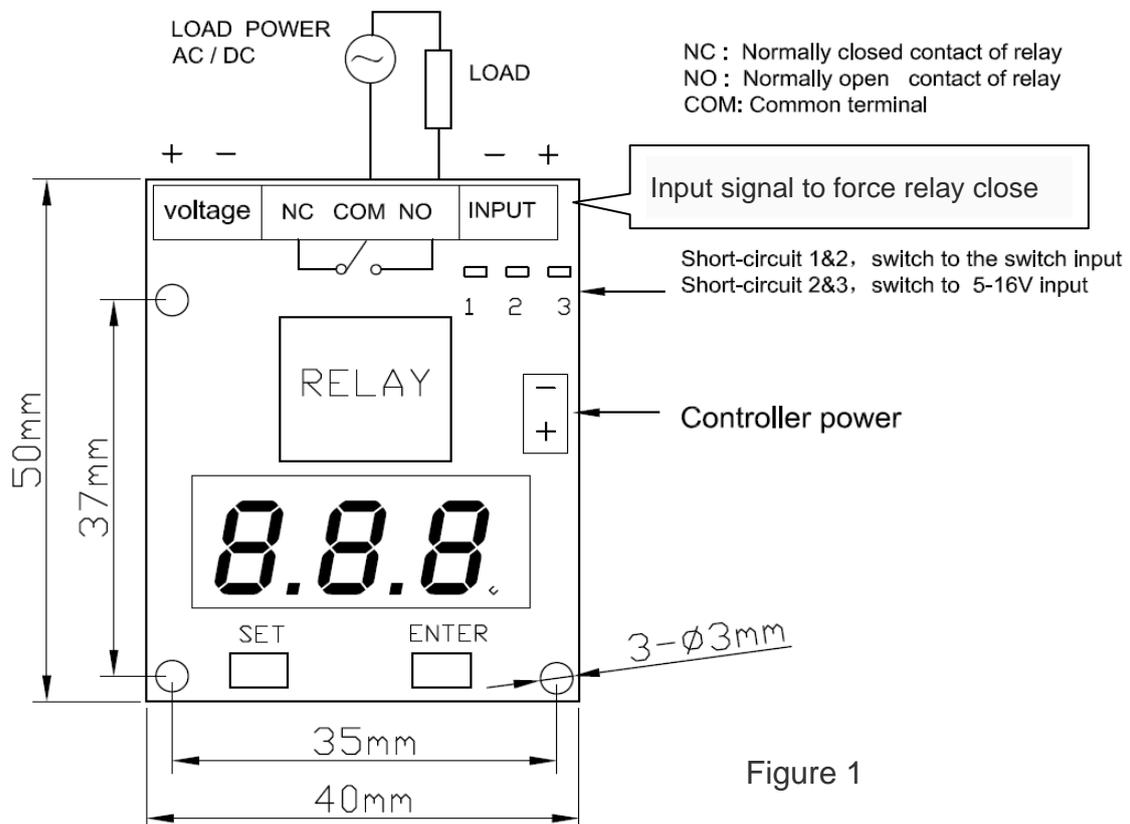
The pre-set parameters can be saved after power off.

### Attention:

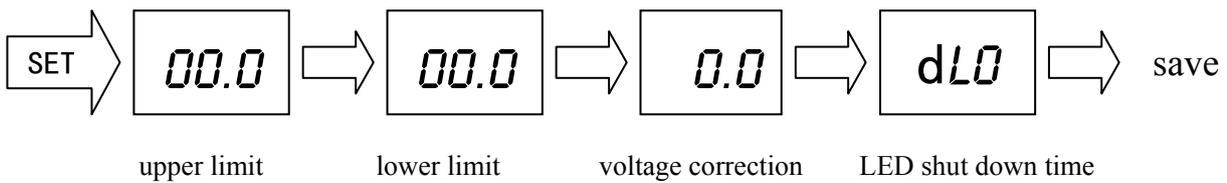


Do not reverse input voltage polarity!

Use this product to control the high-voltage electrical equipment must electrical professionals to operate, high voltage danger!



## operate :



Connect to power, LED digital tube displays voltage value by detect from “voltage” Interface ( Figure 1),short press “SET” button to setting, the value to be SET flashing, press the “ENTER” button can make the set value from 0 to 9 increasing circulation, first is to be set the upper limit voltage values , short press “SET “ three times, the second group is set the lower limit voltage values, voltage lower limit values setting could not be beyond the upper limit values, (if the lower limit values cannot be set, please set the upper limit values higher first), short press SET button to enter the third set of values for the voltage correction, the default is 0, set the range of 0.5 ~ + 0.5 V, the fourth set of values for the digital tube automatically shut down time, such as "d10 means digital tube has been bright, "d19" means digital tube shut down after nine minutes, press “SET” after the completion of the set, digital tube are no longer flashing, at this time into voltage detection control state, real time display of external input DC voltage value, when detecting the voltage exceeds the upper limit value when the voltage, the relay close (normally open on, normally closed off), until the voltage is drop lower than the voltage lower limit, relay to release (normally closed connected, normally open off).

If the pre-set voltage upper and lower limits values set to the same, such as 12.0V, when controller detected voltage values at 12.0 fluctuations may cause the relay contact frequent action, We recommend to set the voltage to maintain the difference between the upper and lower limits.

The factory default setting, is relay closed for a voltage exceeding the upper limit , the relay released when the voltage is below the lower limit , if you want the voltage below the lower limit relay close, you can press the “SET” button for three seconds then release the button, the contact of relay state will be reverse.

Detecting voltage condition, short press the” ENTER” can display the state of the relay closing timer (decimal point right flashing means timing), when the relay release time to stop, when relay close again will time in, timing process can be long press “ENTER” for 3 seconds to reset value.

Switch /pulse input terminals can be an external switch or voltage signals (5 ~ 16 v) to force control relay close, when external switch or continuous voltage signal input, relay close, when the switch or signal disappears, relay controlled by the voltage detection.

Note: The detection voltage terminal access to reliable, have not loose wiring around the circuit board insulation ,may lead to the induced voltage detection values is not accurate.