

# E-600

## Intelligent digital temperature controller Operation Manual

Please read this manual thoroughly for the instruction of correct usage before using this product and keep this manual as a reference.

### ► CAUTION WHEN OPERATING ◀

- Before cleaning the controller, please ensure that the power is switch off.
- Please remove stains on the display panel by using a soft cloth only.
- No scrubbing or touching the display panel with any hard object, the display panel can be easily scratched.
- Do not press any button on the display panel using pointy objects such as ballpoint pen or screw driver, it can easily scratch the panel or damage buttons on the panel.

## 1. Model selection guide

Please confirm the model received is identical with purchase orders by checking the following model number.

E   -      -  -  -  -    
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

### ① Series Code

6: 600 series, Imitation dial code switch setting

### ② The color of shell

G: Grey

### ③ Dimensions of the panel in millimeters

M: 72×72

H: 96×48(Vertical Type)

### ④ Control Type

0: On/off PID control (heating)

4: Continuous PID Control (heating)

### ⑤ Input Type

1: Thermocouple

### ⑥ Output Type

Empty: Relay (Maximum : 3A)

### ⑦ Input Type

K(0-999) J(0-790)

E(0-600)

⑧—⑨ LRL — URL (Temperature range)

## 2. Installation

### 2.1 Caution when installing

Please install the controller in the following environment conditions:

- Temperature: 0 to 50 degrees C
- Atmospheric pressure: 8 to 106kPa
- Humidity: 45% to 85% RH

Please avoid the following conditions during installation:

- Rapid temperature changes, leading to dew condensation.
- Corrosive gases (especially sulfide gas, ammonia, etc.) or flammable gases.
- Direct vibration or shock
- Contact with water, oil, chemicals, steam, smoke, or hot water
- High concentrations of atmospheric dust, salt or iron particles
- Large inductive interference, resulting in static electricity, magnetic fields or noise.
- Direct sunlight.
- Radiant heat sources, et

### 2.2 Mounting Process

(1) Cut out rectangle holes on the panel for installing the controller according to the required hole size.

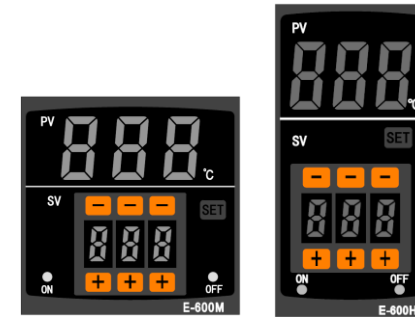
When installing more than one controller, the minimum horizontal and vertical distance between two holes should be 25mm and 30mm respectively.

(3) Insert the controller into the hole on the panel.

(4) Insert mounting bracket in the slot for mounting the controller.

(5) Push the mounting bracket tightly to connect the instrument and the panel firmly.

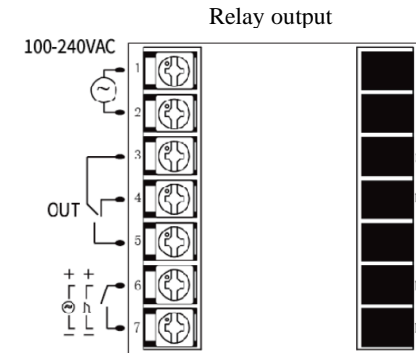
**Accessories:**  
**Two mounting brackets,**  
**One copy of manual**



### 2.3 Size

Model	Panel: H×B(mm)	Shell: h×b×L(mm)	Hole size: h'×b'(mm)
EM	72×72	68×68×70	(68+1)×(68+1)
EH	96×48	92×44×70	(92+1)×(44+1)

### 2.4 Wiring diagram



## 3. Operation

3.1 After the meter is powered on, InP is displayed in the upper row and index number is displayed in the lower row, indicating the input type. After 2 seconds, upper row shows the upper limit of range, and lower row shows the lower limit of range, indicating the measurement range. After another 2 seconds, the upper row will display the measured value, and the lower row will display the set value and enter the normal working state.

3.2 Temperature setting: press the + and - keys to change the number, tens and hundreds to the required setting value. SV value will be saved automatically if there is no modified set value within 3 seconds.

3.3 If ooo appears on the bottom of the red display, it means the thermocouple is connected in reverse. If ooo appears on the top, it means the thermocouple is open or the temperature exceeds the measurement range.

## 4. Repair and Maintenance serives

4.1 Instrument from the date of invoice within 12 months, due to manufacturing quality failure, the factory is responsible for a comprehensive warranty, due to improper use of the damage caused by the factory to charge repair costs, the factory instrument lifetime maintenance.

4.2 The instrument should be stored in a dry, ventilated and non-corrosive place with complete packaging.