

# Thermostat AE-Y509

## Instructions

### SPECIFICATIONS

Set-point Range: 5°C to 40°C  
Display Accuracy:  $\pm 1^\circ\text{C}$   
Switch Current Rating: 16A  
Sensing Element : NTC

Display: Round LCD  
Power Supply: 220VAC  $\pm 15\%$  50-60 Hz  
Housing: Flame Retarding ABS

### TURNING ON/OFF THE THERMOSTAT

Put the toggle switch on the "on" side to turn on the thermostat; on the "Off" side to turn off the thermostat.

### HEATING STATUS

There is a sun-like icon displaying on the LCD indicating the heating output is on. When the ambient temperature reaches the set point, the sun-like icon will disappear, and in this case the heating output is off.

### SETTING THE TIME AND DAY

Press the up arrow button for 5 seconds, the time starts flashing.

Press the up and down arrow button to adjust the time.

Press and hold the up or down arrow button to change in 15 minutes increments or decrements.

Time setting will be automatically confirmed after 5 seconds of non-activity.

Press and hold the down arrow button for 5 seconds, day of the week starts flashing. Then press the up or down arrow button to adjust the correct day. Day setting will also be automatically confirmed after 5 seconds of non-activity.

### SETTING THE TEMPERATURE

When the thermostat is turned on, press the up/down arrow button to set the temperature.

Press the up arrow button to increase the temperature by 1 °C.

Press the down arrow button to decrease the temperature by 1 °C.

Temperature setting will be automatically confirmed after 5 seconds of non-activity.

### BUILT IN SENSOR AND FLOOR PROBE

The thermostat detects and controls the room temperature by a built in sensor by default.

When a floor probe was connected, the thermostat will display and control the floor temperature.

### INSTALLATION

Detach the front panel from the back panel by using a flat-head screw driver.

Put the back panel into the wall box after wiring is done. Screw the back panel with the wall box.

Fasten the front panel with the back panel.

### WIRING DIAGRAM

