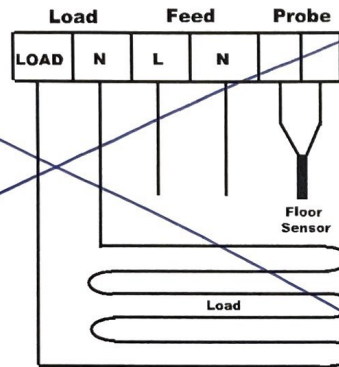


AE-Y309 Instructions

MOUNTING

- 1 The thermostat is flush mount, a back box of ideally 45mm depth should be sunk into the wall prior to installation.
- 2 Installation should be carried out by a qualified electrician.
- 3 Choose a location about 5 feet (1.5 meter) above the floor with good air circulation.
- 4 To avoid electrical shock and to prevent damage to the furnace, air conditioner, and thermostat, disconnect the power supply before beginning work. This can be done at the fuse box, at the circuit breaker, or at the appliance.

WIRING DIAGRAMS



TECHNICAL SPECIFICATIONS

Supply: 220VAC±10% 50/60 Hz

Max Load: 5500W

Accuracy: ±1° C

Set-point range: ambient 5C~30C (40F~86F)
floor 5C~40C (40F~104F)

Storage: -20C~50C (-4F~120F)

Dimension: 86X86X13.5mm

BUTTON EXPLANATION

- ⌚ Program the schedules
- ☼ Select among ☼ (comfort), ☼ (economy) and ☼ (vacation)
- ⌚ Set time
- ☼ Select between "auto mode" and "manual mode"
- ⬇ Decrease set value
- ⬆ Increase set value

MODEL DESCRIPTION

AE-Y309-A

This model is to control a room's ambient temperature with one built-in temperature sensor. The sensor detects the room temperature and when the room temperature reaches set-point, the heating system will be closed.

AE-Y309-AF

This model has two temperature sensors. One is at inside of the thermostat, controls the ambient temperature. The other one is connected to the power base and installed in the floor to detect and limit the floor temperature.

AE-Y309-F

This model has one temperature sensor connected to the power base and installed in the floor to control floor temperature. When floor temperature reaches set-point, the heating system will be closed.

TURN THE THERMOSTAT ON/OFF

Put the toggle switch to the right to turn on the thermostat then the screen displays: time, day, current temperature (RT stands for "room temperature" and FT stands for "floor temperature"), heating indicator . "MANU" if it is in manual mode, "AUTO" with ☼ or ☼ or ☼ and program no. 1, 2, 3 or 4 if in auto operating mode.



Note: In AE-Y309-AF/F model, if the floor probe is defective or not connected or when the floor temperature is lower than 0 centigrade, the thermostat will change RT display to FT in every 5 seconds and show LO in FT. When floor temperature is higher than 50 C, LCD will show HI.

In AE-Y309-AF model, long press ⬆ for 5 seconds, the LCD display floor temperature along with FT. It will automatically return to room temperature display after one minute of no operation.

SET THE TIME AND DAY

- 1 Press ⌚, the time display starts flashing
- 2 Press ⬆ or ⬇ to adjust time (Hour-Minute). Press and hold ⬆ or ⬇ to increase or decrease by 15 minutes each time.
- 3 Press ⌚ again to confirm and exit, or automatically exit after 5 seconds of inactivity.
- 4 Press ⬆ for setting the day of the week.

AUTO MODE AND MANU MODE

Press ☼ to select Automatic mode or Manual mode. In automatic mode, the thermostat executes the preprogrammed schedules. While in manual mode, the thermostat maintains a constant set temperature.

DEFAULT TEMPERATURE SETPOINTS AND ADJUSTMENT

A Comfort ☼ / Economy ☾ / Vacation ☰ Setpoints

Model	Comfort ☼	Economy ☾	Vacation ☰
AE-Y309-A	20°C (68°F)	18°C (64°F)	10°C (50°F)
AE-Y309-AF	20°C (68°F)	18°C (64°F)	10°C (50°F)
AE-Y309-F	28°C (82°F)	20°C (68°F)	10°C (50°F)

To adjust above default set-points,

- Step ① Press to select ☼, ☾ or ☰. By each press, the LCD alters among 3 icons ☼ ☾ ☰, at the same time the selected temperature setpoint starts flashing.
- Step ② Press to adjust the setpoint in a range of 5~30°C.
- Step ③ The selected setpoint is automatically confirmed after 5 seconds of no operation.

B Floor temperature limit (AE-Y309-AF model only)

~~The default floor temperature limit is 28°C. This is set to avoid overheat and damage to the floor. To change this setpoint,~~

- ~~Step ① press and hold for 5 seconds, the default setpoint starts flashing.~~
- ~~Step ② Press to adjust the setpoint in a range of 5~30°C.~~
- ~~Step ③ press again to accept and exit.~~

DEFAULT PROGRAMMED SCHEDULES AND ADJUSTMENT

Start Time	6: 00(Wake-up)	8: 30(Leave home)	16: 00(Back home)	23: 00(Night)
Program Number				
Set Point	☼ (comfort)	☾ (economy)	☼ (comfort)	☾ (economy)

The above is the factory-set default programmed setpoints in Auto mode. The thermostat will automatically switch between the Comfort and Economy setpoints at the programmed times. The start time can be different for each day of the week. To modify,

- Press , select a program number(e.g.)
- Press to select the day(hold for 5 seconds to select all days of the week)
- Press to select the start time.
When is pressed, the time display starts flashing, then press or to adjust time(Hour-Minute) to a desired value.
Press to increase time by 1 minute; Press to decrease time by 1 minute.
Press and hold or to increase or decrease the value by 15minutes.
- Press again to confirm and exit, or automatically exit after 5 seconds of inactivity.

Repeat above steps to set the remaining programs (e.g.)

Note: it is faster to program the same schedule for the entire week and then to modify the exceptional days.

MODEL SELECTION

There are two miniature red dip switches marked with "O", "N", "1", "2". Put the switches on below positions to realize the desired models.



12 = AE-Y309-A

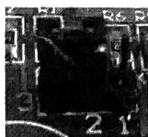


02 = AE-Y309-AF



1N = AE-Y309-F

°F & °C SELECTION



Jumper cap on 23= °C

Jumper cap on 12= °F

FLOOR TEMPERATURE LIMIT ADJUSTMENT(AE MODEL ONLY)

~~The default floor temperature max limit is 28°C (82°F) to protect the floor. To modify, press and hold for 5 seconds, using to adjust the setpoint in a range of 5C~40C. Press again to confirm.~~

TEMPERATURE CALIBRATING

This thermostat can be calibrated for more accuracy.
Press and hold for 5 seconds. The actual temperature stats flashing.
Use the UP/DOWN arrow keys to adjust the temperature to the correct value.
Press again to store the new setting. Press both and to clear the setting.