

HL2018 Digital Thermostats

General

The HL2018 series touchscreen thermostats are luxurious appearance with large LCD display screen. Simple and easy-to-read installation menu on LCD provides interactive interface when user sets up, programs and operates.

The thermostats are designed to on/off control the fans, valves or dampers in fan coil units, air-conditioners applications. Models are available for heating/cooling/ventilating control of 2-pipe or 4-pipe fan coil units.

The fan speed can be manually controlled by the fan speed control pushbutton. It is wired to run high/medium/low speed continuously or to automatically change the fan speed, while with other models there is a choice of running the fan continuously, or cycling it with the thermostat.



Features

- Bright back-lit display with interactive touch screen
- Beautiful ergonomic design is smart and sophisticated to match your customers lifestyle
- Large, clear display with backlight shows the current and set temperature and time. even in the dark.
- Adjustable heating/cooling/ventilating mode control
- Adjustable manual 3-speed or automatic fan speed control and on/off control output for valve
- Model available for cycling fan control
- Infrared remote control available
- Reliable output by relays
- Timer On/Off or 7-Day 4 periods Programmable For Customization
- Menu-driven programming make setup easy
- Lock function to avoid any mistake operations
- Model available for 24, 110, 220 VAC power input also
- Easy installation
- Selectable indicator

Functions

- Room Temperature Setting
- Detect and Display Room Temp
- Cool/Heat/Vent Mode Change Control
- Manual/Auto Fan Speed
- Infrared Remote Control
- Green Backlight
- Clock
- Timer On/Off or 7 days-Programmable(optional)
- Temperature calibrating
- Selectable deadband setting
- Low-temperature protection function when turned off(optional)
- Lock/Unlock keypad to avoid any mistake operations(optional)
- Sleep function
- Sensor trouble indicator

Part No.

Model	Control Mode			Fan 3-speed		Application					Control Capability		Sub-feature				
	Heat	Cool	Vent.	Manual	Auto	Damper	2-Pipe fan coil	4-Pipe fan coil	2-wire Motorized Valve	3-wire Motorized Valve	Cycling Fan	Auto Changeover	-T Timer	-T74 Prog.	-L Backlit	-R IR	
HL2018Y				✓	✓	✓											Optional functions
HL2018DA	✓	✓	✓	✓	✓		✓		✓								
HL2018DA2	✓	✓	✓	✓	✓		✓			✓							
HL2018DB	✓	✓	✓	✓	✓		✓		✓		✓						
HL2018DB2	✓	✓	✓	✓	✓		✓			✓	✓						
HL2018FCV2	✓	✓	✓	✓	✓			✓	✓								
HL2018AFCV2	✓	✓	✓	✓	✓			✓	✓			✓					

Specifications
Supply Voltage:

220V(or any other volt.) ± 10%, 50/60Hz

Setpoint Range:

5 ~ 35°C

Setting Unit:

1(° F)°C/step

Accuracy:

± 1 (° F)°C

Display:

80 × 59mm LCD display

Operation:

Touch screen

Mode Setting:

Heating, Cooling and Ventilating

Fan Speed Adjust:

High, Medium, Low and Automatic fan speed control

Cycling Fan Control:

Fan cycled running with thermostat

Control Performance:

ON/OFF control

Differential:

1 (° F)°C

Thermostat Output:

SPST relay for 2-pipe models

2 SPST relay for 4-pipe models

Electrical Rating:

2A run, 12A inrush

Temperature Sensor:

NTC Thermistor 100K

Enclosure:

Fire retardant PC ABS

Minimum Operational Life:

Thermostat contacts: 100,000 cycles

Remote Controller(optional):

Infrared Remote Control

Backlight Function(optional) :

6 seconds, Green light

Dimensions:

104 × 93 × 18mm (W × H × D)

Hole Pitch:

60 mm

Environmental requirements:

Operating temperature range 0 ~ 45°C,

Humidity range 5 ~ 95 %RH (non-condensing)

Mounting:

Mounts directly onto wall, standard 86 × 86 mm junction box (hole pitch 60 mm)

Wiring:

 Screw-in terminals, each terminal capable of accepting 16 AWG, 18 AWG, 1.25 mm² or 0.75 mm² wires

Embedded Mounting:
