



EHP-001

USER MANUAL

V1.0

CONTENTS

PRODUCT INTRODUCTION.....	3
FEATURES.....	3
TECHNICAL SPECIFICATION.....	3
DECLARATION OF CONFIRMITY	4
SAFETY INSTRUCTIONS	4
PACKAGE CONTENTS:	4
PRODUCT OVERVIEW	5
INSTALLATION	6
APPLICATION	16
DEVICE INITIAL SETUP	17
MODE SETUP	18
FAN SETUP	19
OVERRIDING SCHEDULES SETUP	19
ADVANCED SETTING.....	20
WIRING DIAGRAM.....	21

PRODUCT INTRODUCTION

This Smart Wi-Fi Programmable Thermostat, Model: EHP-001, is designed to work with most of the standard 24V AC low voltage heating and cooling systems, such as gas and oil furnaces, heat pumps, and single or dual-stage systems.

FEATURES

- 4.8 inch large colorful display creates your colorful life
- Capacitive touch screen buttons for easy operation
- Wi-Fi thermostats for home with smart phone app
- Arbitrary control of indoor temperature Set the temperature range of the hot and cold zones
- In automatic system mode, cooling and heating range switches automatically without manual adjustment
- 5+2 programmable thermostat, supports device sharing, so you can set the temperature you need for your home anytime, anywhere
- Easy to install, follow the installation steps in the manual and be done within 30 minutes
- Connection: WIFI, 2.4GHz

TECHNICAL SPECIFICATION

Product size	W130 x D90 x H21.5mm
Power supply	24Volts
Power consumption	<1.5W
Temp. setting range	42~122°F(5~50°C)
Accuracy	±1°F
Temp. display range	42~210°F(5~99°C)
Environment temp./humidity	32~113°F(0~45°C) / 5~95RH
Storage temp.	23~113°F(-5~45°C)
Texture of material	PC + ABS + V0
Specific use of goods	Heat pump
Shape	Rectangle, 4.8inch screen

Connection Agreement	WIFI
Installation type	Wall hanging
Control method	Applications, remote, touch
Relay load	1A(Inductive); 3A(Resistive)
Sensor	NTC3950, 10K
IP class	IP20

DECLARATION OF CONFIRMITY

CE: Hereby, Zhuhai Edison Energy-saving Technology Co., Ltd, declares that the radio equipment with model EHP-001 is in compliance with Directive 2014/53/EU.

SAFETY INSTRUCTIONS

⚠ This thermostat works with common 24 volt systems such as forced air, hydronic, heat pump, oil, gas, and electric. It will not work with millivolt systems, such as a gas fireplace, or with 120/240 volt systems, such as baseboard electric heat.

⚠ **MERCURY NOTICE:** Do not place your old thermostat in the trash if it contains mercury in a sealed tube. Contact the Thermostat Recycling Corporation at www.thermostat-recycle.org for information on how and where to properly and safely dispose of your old thermostat.

⚠ **NOTICE:** To avoid possible compressor damage, do not run air conditioner if the outside temperature drops below 50°F (10°C).

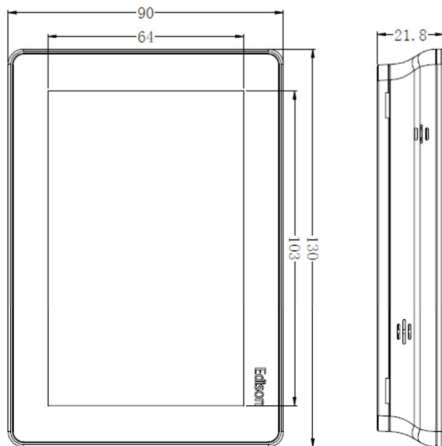
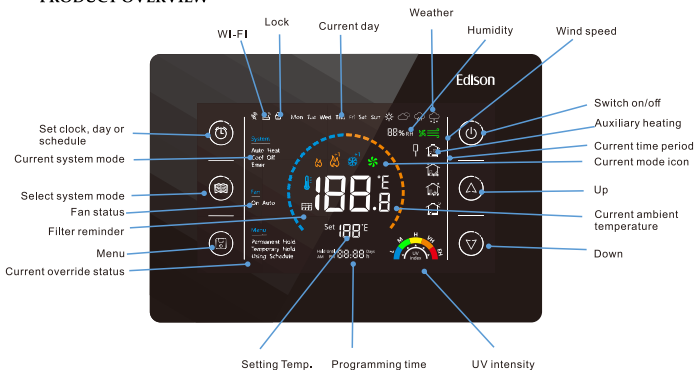
⚠ Do not leave packaging material lying around, as it can be dangerous in the hands of a child.

⚠ Do not open the device: it does not contain any components that can be serviced by the user. In the event of failure, please return the device to our service department.

PACKAGE CONTENTS :

1 x Smart Wi-Fi Thermostat
1 x User manual
2 x Screw sets
1 x Wire labels
1 x C wire (optional)

PRODUCT OVERVIEW



INSTALLATION

You might need the following tools to install this thermostat:

- No. 2 Phillips screwdriver
- Small pocket screwdriver
- Pencil
- Level(optional)
- Drill and bits (3/16" for drywall, 7/32" for plaster) (optional)
- Hammer(optional)
- Electrical tape(optional)

Compatibility section:

For conventional (gas/oil/propane/electric), Heat-pump, and Dual Fuel System.

>2-Heat & 2-Cool > 1-Heat & 1-Cool > Heat Only > Cool Only

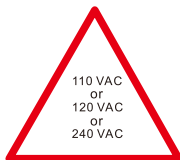
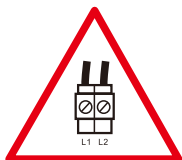
>Heat Pump with Auxiliary Heating and Emergency Heating

C-wire is required to power the thermostat.

Incompatible wiring and voltage

Please check the wall plate of your old thermostat to see if there's any indication as follows:

- Does not work with electric baseboard heat (110VAC~240VAC)
- Does not work with millivolt systems
- Does not support S terminals for indoors and outdoors sensors.



Step 1 Switch off power

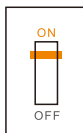
IMPORTANT as this protects you from blowing a fuse in your equipment. To make sure the

power is off, change the temperature with your current thermostat and wait for at least 5 minutes to be sure that the system is OFF.



Breaker Box

or

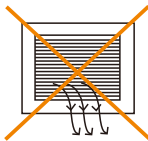


Switch

Step 2 Check that your system is off

Confirm your system is off by turning on your heat (during winter) or your AC (during summer). Wait a few minutes—you should not feel air coming from your vents.

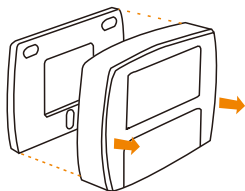
NOTE : If you have a digital thermostat that has a blank display, skip this step.



Step 3 Remove your old thermostat from the wall plate

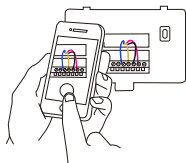
Most thermostats allow you to remove the main unit and provide access to a wall plate which holds the wiring terminals, you can take off the thermostat by grasping and gently pulling. Some thermostats may have screws, buttons, or clasps.

NOTE : Do not remove any wires from your thermostat at this time!



Step 4 Take a picture of the wiring

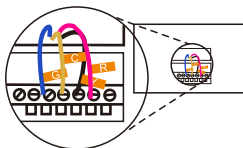
Take a clear picture of the wiring of your existing wall plate, make sure the wire terminal labels are clear enough to be read. This will be important reference for next step.



Step 5 Label the wires

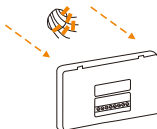
Label the old wall plate wires with the supplied sticky tags from our new thermostat box.

NOTE : If there's an Rc or Rh wire, attach the R label to it.



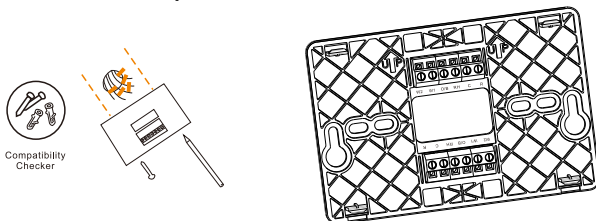
Step 6 Disconnect the wires and remove the old wall plate

Disconnect the wires from the old thermostat one by one, you may need a screwdriver to release wires from terminals. NOTE : Wrap the wires around a pen or pencil so they don't fall back into the hole in the wall.



Step 7 Mount the New Wall Plate

Use the screw set (screw & anchor) to mount the new wall plate. In most cases, the old mounting position can be used; if not, apply the new set. Be sure to check the alignment of the new wall plate before and after the wall plate installation.



Use the picture you took before as reference to wire, the following chart is a wiring diagram for common systems, please make sure that a C-wire exists in your old thermostat system.

Terminal		Conventional System	Heat Pump System
RC		Power for cooling, 24V	Power for cooling, 24V
RH		Power for heating, 24V	Power for heating, 24V
C		Common wire, 24V	Common wire, 24V
G		Fan	Fan
Y1		1st Stage Cool	1st outdoor Heat
Y2		2st Stage Cool	2st outdoor Heat
W1		1st Stage Heat	1st Stage Heat
W2		2st Stage Heat	2st Stage Heat
O/B		Changeover(reversing valve) Connection for heat pump	Changeover(reversing valve) Connection for heat pump
S		Optional wiring model terminal to combine Y and G, while reserve an extra in-wall wire to power on the thermostat	Optional wiring model terminal to combine Y and G, while reserve an extra in-wall wire to power on the thermostat

Step 8 Connect the wires to the new wall plate

Refer to the wiring diagram, insert all wires vertically from the open socket into the proper terminal. Ensure each wire is inserted into the matching terminal (Note: connect the R or RC wire into the RC terminal). Pull wires gently to ensure wires are securely fastened. When all wires are connected well, place excess part of the wires back to the wall.