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Smart Heat Pump Thermostat

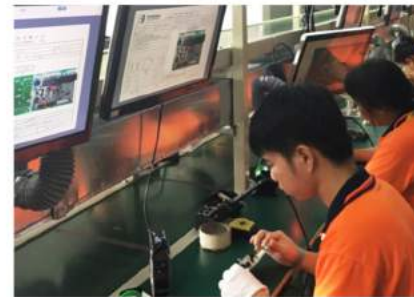
Guangdong Chico Electronic Inc.





COMPANY PROFILE

Founded in Foshan, China in 2003, Guangdong Chico Electronic Inc. is a technology manufacturer and specializes in solution for intelligent control system in multiple industries. We operate two ISO90001 factories in Foshan and Heyuan, China and have introduced a series of advanced equipment including automated AOI machine, SMT machine, automated assembly machine, FCT machine and so on.



¥ **1,000,000+**
Annual Scientific & Research Funds

20+
Development Years

50+
Customization Per year

60+
Experienced Engineers

1-Stop service
Development Production & shipment

BHP-6000 Heat Pump Thermostat

Product Features



01
90mm large LCD lens



02
57-89 Ultra-wide range wall mounting

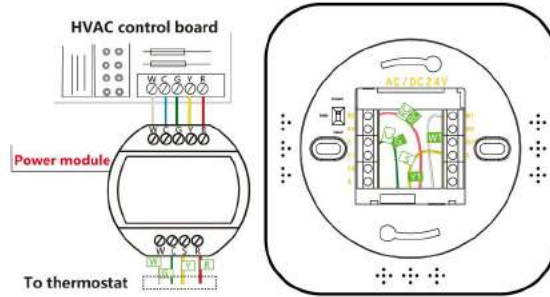


03
Compatible with C/without C heat pump lines

Wiring



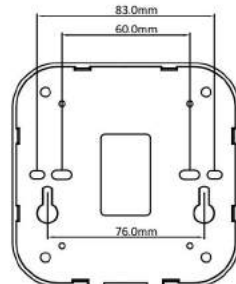
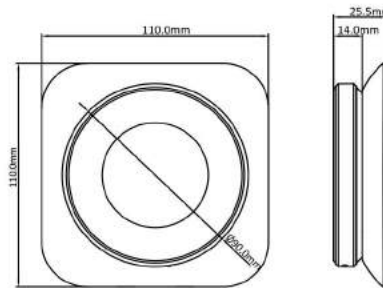
Without C wire thermostat wiring diagram (with power adapter)



Technical data

Power Supply	• 24VDC/AC +10%
Current Load	• 1A (Inductive) 3A (Resistance)
Sensor	• NTC3950, 10K
Set Temp. Range	• 41-95 °F (5~35°C)
Accuracy	• 1 °F (0.5°C)
Display Temp. Range	• 41~95 °F (5~35°C)
Ambient Temp.	• 32~113 °F (0~45°C)
Ambient Humidity	• 5~95%RH(Non Condensing)
Storage Temp.	• 23~113°F (-5~45°C)
Timing Error	• <1%
Power Consumption	• <1.5W
Shell Material	• PC+ABS(Fireproof)
Available Installation	• Wall mounted
Wire Terminals	• Wire 2x1.5mm ² or 1x2.5mm ²
Protection Class	• IP20

Unit:mm(inch)



Convenient Heat Pump Temperature Control Technology



Comfortable and Energy-efficient Heat Pump

New holiday mode submenu
Easy setup for vacation travel

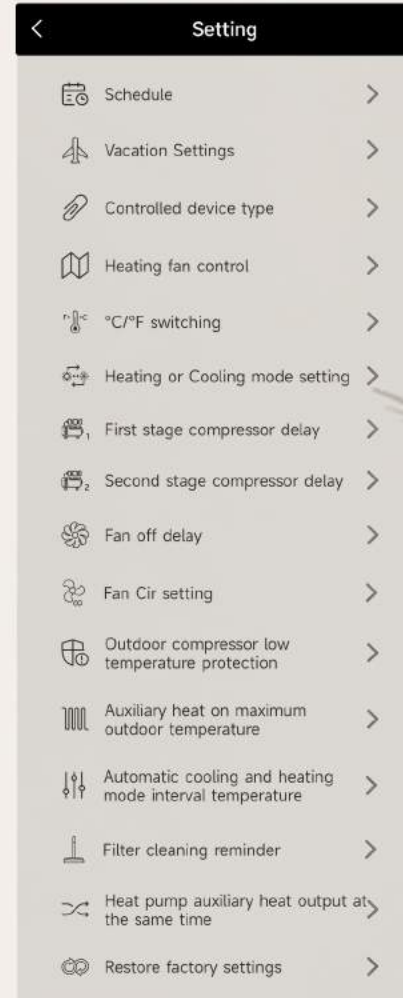


Black White (Other colors can be customized)



Start Your Smart Life

More settings



BHP-6000 Smart Heat Pump Thermostat Selection table

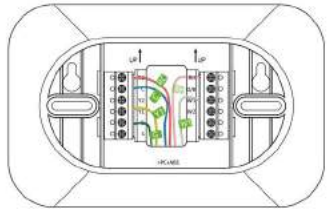
No.	Model	Power Supply	Control System								Fan		Additional										Color					
			Heat Pump System				Conventional System				One Speed	Three Speed	WiFi	Manual	Programmable	Temporary Programmable	Holiday	Weather	Humidity	Wind Index	Filter Remind	External Sensor	Modbus	Battery	White	Black	Other	
		24VAC/D C	1H/1C	1H/2C	2H/2C	2H/1C	1H/1C	1H/2C	2H/2C	2H/1C																		
1	BHP-6000	√	√	√	√	√	√	√	√	√	√		√	√	√	√	√				√	Optional	Optional	No	√	√	Pending	
2	BHP-6000W	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√				√	Optional	Optional	No	√	√	Pending	

BHP-7000 Knob Heat Pump Thermostat

Product Features

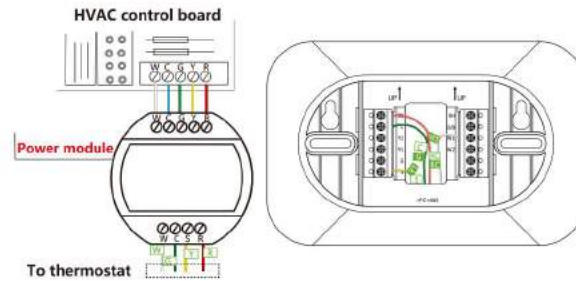


Wiring



↑Cables to the C temperature controller are shown

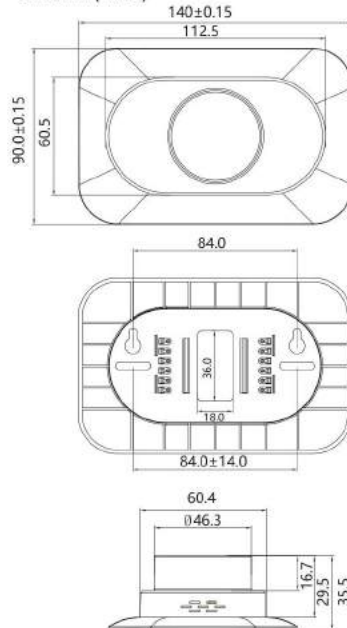
Without C wire thermostat wiring diagram (with power adapter) ↓



Technical data

Power Supply	• 24VDC/AC +10%
Current Load	• 1A (Inductive) 3A (Resistance)
Sensor	• NTC3950, 10K
Set Temp. Range	• 41~95 °F (5~35°C)
Accuracy	• 1 °F (0.5°C)
Display Temp. Range	• 41~95 °F (5~35°C)
Ambient Temp.	• 32~113 °F (0~45°C)
Ambient Humidity	• 5~95%RH(Non Condensing)
Storage Temp.	• 23~113°F (-5~45°C)
Timing Error	• <1%
Power Consumption	• <1.5W
Shell Material	• PC+ABS(Fireproof)
Available Installation	• Wall mounted
Wire Terminals	• Wire 2x1.5mm ² or 1x2.5mm ²
Protection Class	• IP20

Unit:mm(inch)



Smart Heat Pump Thermostat



8 Ambient Lights

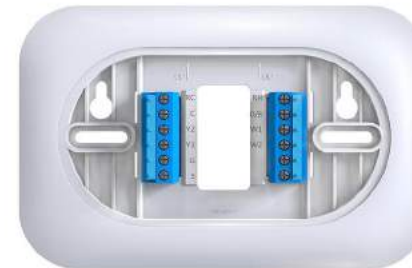
- TFT Color Screen
- Knob Control
- Vertical & Horizontal Compatible



Embark on a journey of vibrancy

Embracing the colorful beauty of home

—Tuya App / Group Sharing / Third-party Voice



Black White (Other colors can be customized)

New smart settings mode

less energy consumption

New heat pump thermostat with automatic temperature control to maintain a constant temperature in your home 24 hours a day without manual switching.



BHP-7000 Smart Heat Pump Thermostat Selection table

No.	Model	Power Supply	Control System					Fan		Additional								Color		
			Heat Pump System		Conventional System			One Speed	Three Speed	WiFi	Manual	Programmable	Temporary Programmable	Holiday	Weather	Filter Remind	External Sensor	Modbus	Battery	White
		24VAC/DC	4H/2C	1H/1C	1H/2C	2H/2C	2H/1C													
1	BHP-7000	√	√	√	√	√	√	√		√	√	√	√		√	Optional	Optional	No	√	Pending
2	BHP-7000W	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Optional	Optional	No	√	Pending

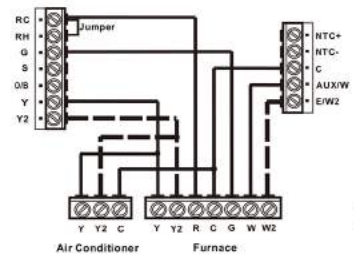
TP-808 Room Thermostat

Heat Pump Thermostat

Wiring diagrams

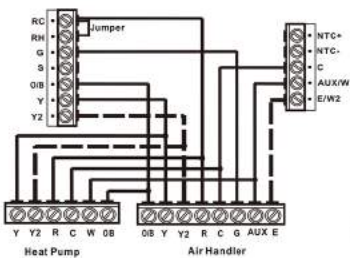
Below are the wiring diagrams for common HVAC equipment.

Conventional heating and cooling (up to 2 stages each)



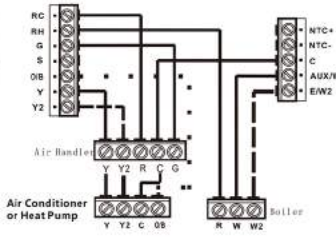
— Stage 2 heat and cool if applicable
NOTE: Do not remove jumper Rc and Rh

Heat pump (air or geothermal) with auxiliary heat



— Stage 2 compressor and auxiliary heat if applicable
NOTE: Do not remove jumper Rc and Rh

Boiler or radiant system with air handler and conventional cooling or heating

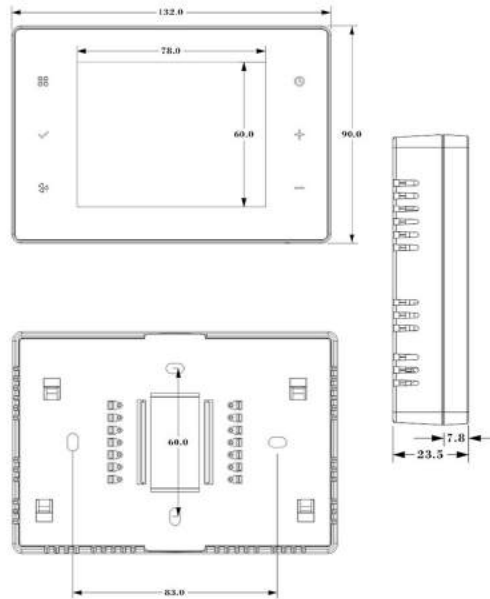


• * Reversing valve for heat pumps only
— Stage 2 heat and cool if applicable
NOTE: Remove Jumper Rc and Rh

Technical date

Power Supply	• 24VDC/AC +10%
Current Load	• 1A (Inductive) 3A (Resistance)
Sensor	• NTC3950, 10K
Set Temp. Range	• 41~95 °F (5~35°C)
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Ambient Humidity	• 5~95%RH(Non Condensing)
Storage Temp.	• 23~113°F (-5~45°C)
Timing Error	• <1%
Power Consumption	• <1.5W
Shell Material	• PC+ABS(Fireproof)
Available Installation 1	• Wall mounted
Available Installation 2	• Distance of 62±5mm (Europe, China and Japan)
Available Installation 3	• Hole Distance of 86±3mm (USA and Italy etc.)
Wire Terminals	• Wire 2x1.5mm ² or 1x2.5mm ²
Protection Class	• IP20
Buttons	• Capacitive Touch Buttons

Dimension Unit:mm(inch)



VOICE CONTROL

works with
Amazon Alexa

works with
Google Assistant



Hi, Google, turn on the gas boiler.

Hi Alexa, set the water floor heating to 18C.



Intelligent temperature control selection of heat pump system

- °F/°C temperature switching
- Heat pump filter cleaning reminder
- Six capacitive touch buttons for interaction
- Heating & Cooling & Room Temperature
- & Zone Four-zone temperature display



Smart Alerts

• UVlamp

The reminder to change **UV lamp**

• Chglamp

The reminder of replacement run time of **Chgpad**

• ChgFilter

The reminder of replacement run time of **Chg Filter**



TP-808 Smart Heat Pump Thermostat

Selection table

No.	Model	Power Supply	Control System								Fan		Additional								Color					
			Heat Pump System				Conventional System				One Speed	Three Speed	WIFI	Manual	Programmable	Temporary Programmable	Holiday	Weather	Filter Remind	External Sensor	Modbus	Battery	White	Black	Brushed SS	Other
		24VAC/DC	1H/1C	1H/2C	2H/2C	2H/1C	1H/1C	1H/2C	2H/2C	2H/1C																
1	TP-808	√	√	√	√	√	√	√	√	√	√			√	√	√		√	Optional	Optional	No	√		√		Pending
2	TP-808-W	√	√	√	√	√	√	√	√	√	√		√	√	√	√		√	Optional	Optional	No	√		√		Pending