



3H/2C Wi-Fi Thermostat CPT100



The InverterCool CPT100 Wi-Fi Thermostat is an economical, full featured, connected thermostat which is simple to install, configure and operate.

- Connects easily to 2.4GHz Wi-Fi networks
- Control from your phone, tablet or Alexa and Google Home devices
- Large LCD Display with Touch keys
- 5 powered relay outputs accommodate a wide variety HVAC and hydronic systems
 - 2 Heating 2 Cooling outputs for conventional HVAC and hydronic systems
 - 3 Heating 1 Cooling outputs for heat pump applications

Description and Features

- Works with InverterCool Smart Controller application
- Convenient commissioning with Bluetooth
- Alexa and Google Home Support
- Compact Size: 3.94" x 4.17" x 0.92" (100 mm x 106 mm x 22.5mm)
- Large LCD Display 2.2" x 2.9" (57 mm x 73 mm)
- Weekday/weekend or daily schedules with 6 intervals per day
- 5 powered relay outputs for fan, heating cooling
- Configure for conventional boiler/furnace, heat pump, or dual-fuel systems
- Optional Wire Extender (CPT100-1) provides an easy alternative to replacing the thermostat connection wires

Application Overview



Wire Extender Module



Specifications

Controls		
Mode touch button ▲ Up touch button	Fan touch button ▼ Down touch button	
Indicators		
Temperature	Heat Mode Icon	Temperature Set Point
Heat/Cool/Auto	Fan Status	Cool Mode Icon
Time of Day	Schedule Icon	Emergency Heating
Wi-Fi Network Connected		Keypad Locked
		Day of Week
		Hold Set Point
Electrical		
18-30VAC, 60Hz with, or without C-wire (switch selectable) 5 Relay outputs rated 1A @ 18-30VAC		
Terminals		
	Conventional AC/ Furnace	Heat Pump
RC		Power-Cool
RH		Power-Heat
C		Common
G		Fan
Y1	1st Stage Cooling	1st Stage Compressor
Y2	2nd Stage Cooling	2nd Stage Compressor
W1/OB	1st Stage Heating	Reversing Valve
W2/AUX	2nd Stage Heating	Aux/ Emergency Heat
L	-Not Used	Check/Fault input
Note: Use Wire Extender if C-wire is not available.		
Mechanical		
Weight: 0.6lb (297g) Dimensions: 3.94"H x 4.17"W x 0.92"D (100mm x 106mm x 22.5mm)		
Communications		
802.11 b/g/n, 2.4GHz band Bluetooth v4.2 BR/EDR and BLE (for commissioning only)		
Environmental		
Operating: 32°-122°F (0°-50°C), <90% RH, non-condensing Storage: 14°-140°F (-10°-60°C), <90% RH, non-condensing		
Agency Compliance		
FCC, Industry Canada RoHS Compliant		
Warranty		
5 year limited warranty		
Compatible Devices		
CPT100-1 Wire Extender Module		

Note: Specifications are subject to change without notice