

TECHNICAL SPECIFICATIONS CONTINENTAL EQHUB SMART THERMOSTAT

THE FUTURE OF HYBRID HEATING

The Continental EQHub Smart Thermostat is the brain of dual fuel Hybrid Heating Solutions. The smart switching technology will determine the best time to use the Continental Heat Pump or a Continental Furnace using propane or gas. Individual fuel selection ensures the thermostat is selecting the most appropriate heat source for the mode selection.

For markets outside of Ontario, dual fuel operation should be switched via Heat Pump fuel source. Simultaneous heating not available.



PART ID	DESCRIPTION	DIMENSIONS H X W X D (IN)	MOUNTING TYPE	WI-FI	WIRING
WSC43BA-KT	Kit includes thermostat, indoor and outdoor sensors	5.2 x 3.1 x 1.2	Wall Mounting	Yes, 2.4GHz undedicated connection.	Standard 18 AWG, requires both R and C wires from HVAC system

OPTIONS/ACCESSORIES

PART ID	DESCRIPTION	DIMENSIONS H X W X D (IN)
WSC-PWRM	18 AWG, requires both R and C wires from HVAC system. The installation manual provides additional wiring information, including the option to use a wiring module terminal to combine Y and G, while reserving an extra in-wall wire for thermostat power. In typical heat pump and 2-stage furnace installations, you'll need 8 wires.	2.5 x 1.8 x 0.6
WSC-IS	Indoor Sensor: To balance hot or cold spots throughout the home and achieve the best comfort, you can use the indoor sensor which operates on a radio frequency of 915Mhz. This sensor includes a built-in occupancy sensor and PIR to measure the ambient temperature, and can connect up to 10 sensors. It requires 2 x AAA batteries, which are not included.	2.5 x 2.5 x 0.6
WSC-OS	Outdoor Sensor - When internet access is limited or intermittent, or when the local weather conditions differ from internet forecasts, the outdoor sensor becomes an excellent tool, operating on a radio frequency of 915Mhz. If the temperature drops below -20C, the thermostat will automatically pull the latest temperature from the Wi-Fi connection. To use the sensor, simply place the temperature probe outside while keeping the main body of the sensor indoors, ensuring that it is within 10 meters of the thermostat.	2.5 x 2.5 x 0.6



Technical Inquiries
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IMPORTANT: PRODUCT MUST BE REGISTERED FOR FULL WARRANTY.

Products may not be exactly as shown.

**Hybrid Heating modes available in Ontario only.

TECHNICAL SPECIFICATIONS

	DESCRIPTION	SPECIFICATIONS
Compatibility	Compatible Systems	Conventional: single-stage heating, 2-stage heating, and 2-stage cooling HVAC systems Heat pump: 2-stage heating, 2-stage cooling, 2-aux heating Humidifier/dehumidifier Supports natural gas, electric, hot water, steam or gravity, gas fireplaces (24 volts), oil heat sources, heat pump, dual fuel
	Incompatible Operations	Simultaneous heating (operating 2 sources of heat at the same time)
HVAC Control Functions	System mode	Heat, Cool, Auto, Off
	Hybrid mode	Low Cost, Comfort, Green, Nighttime Heat Pump for dual fuel operation outside of Ontario
	Fan mode	On, Auto, Circle (adjustable)
Wireless Connectivity	WIFI	802.11 b/g/n @ 2.4GHz
	Radio	915MHZ
Physical Specifications	LCD Screen	4.3-inch color touch screen
	PIR Sensor	Sensing distance 3m, angle 70°
	Electrical Rating	24 VAC, 1A carry; 5A surge 50/60 HZ
	Max. Load Current	1A
	Operating Environment	0°C~50°C (32°F~122°F) Humidity range: 5%~95%
	Storage Temperature	30°C~60°C (-22°F~140°F)
	Wiring	18 AWG, requires both R and C wires from the HVAC system
	Dimensions	131mm (L) x 78mm (W) x 29.2mm (H)
	Storage Temperature	Wall mounting
Indoor and Outdoor Sensors	Battery	DC 3V (2*AAA batteries)
	Radio	915MHZ
	LED	2-color LED (red, green)
	PIR	Detect occupancy Sensing distance 5m, angle 120°
	Operating Environment	0°C~50°C (32°F~122°F) (indoor only) Humidity range: 5%~95%
	Dimensions	62mm (L) x 62mm (W) x 15.5mm (H)
	Mounting Type	Wall-mounted or placed on a stable surface (i.e., a tabletop stand)
	Connectivity Range	10m



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