

Underfloor Heating Controls

- Thermostats
- Wiring Centres
- Actuators
- Gateways



NEW
RANGE





TOUCH Thermostats

New range of smart RF TOUCH thermostats

US

PS

The new touch thermostats are engineered for simplicity. They are designed to integrate seamlessly with EPH Programmer Systems (PS) and Underfloor Systems (US). Adding a GW04 gateway allows you to control your system from your phone using the EMBER app.



5 Year Warranty

The EPH 5 year warranty offers peace of mind to both the installer and the homeowner. It reflects our commitment to product quality and reliability. This warranty benefits both the consumer and the environment by promoting durability over disposability.



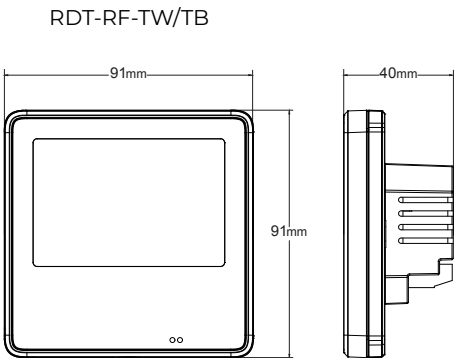
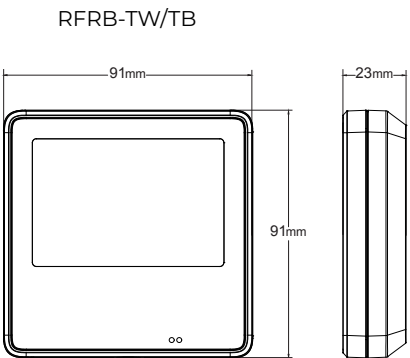
Energy Saving

EPH Touch thermostats integrate features such as TPI (time proportional & integral), DS (delayed start) and SB (setback) to provide even more efficiency from your home heating system. Making it smart by adding a gateway offers an extra level of control via your smartphone.



Temperature control

EPH Thermostats use best in class NTC sensors to provide precise control of home heating systems. Featuring adjustable hysteresis and customisable high and low limits, these thermostats help you achieve optimum control of your energy costs and comfort levels.



FEATURES	RFRB-TW	RFRB-TB	RDT-RF-TW	RDT-RF-TB
Colour	White	Black	White	Black
Mains Powered				✓
Battery Powered		✓		
Non Programmable		✓		✓
Temp Control Range		5...35°C		5...35°C
Stand (Portable)		✓		
Mounting Type		Surface		Recessed
TPI		✓		✓
Delay Start		✓		✓
Keypad Lock		✓		✓
PIN Lock		✓		✓
Setback Function		✓		✓
Setback Range		0...10°C		0...10°C
On/Off Function		✓		✓
Backlight		✓		✓
Switching Differential		0...1.0°C		0...1.0°C
Number of External Temperature Sensors		1 or 2		1 or 2
Type of External Temperature Sensor		NTC10K Plug		NTC10K Ferrule

Accessories

NTC10K temperature sensors are an accessory which can be added to certain EPH thermostats. When controlling temperature in an adjacent room, the temperature sensor should be mounted in an NTC Housing to protect the sensor.

EXTERNAL TEMPERATURE SENSORS	APPLICATIONS
1 piece connected	Adjacent Room Temperature Control
	or Floor High Limit Control
	or Floor Temperature Control
2 pieces connected	Adjacent Room Temperature Control
	and Floor High Limit Control



PRODUCT CODE	DESCRIPTION	FOR USE WITH
NTC10K-Ferrule	Temperature Sensor, 2m	RDT-RF-TW, RDT-RF-TB
NTC10K-Plug	Temperature Sensor, 2m	RFRB-TW, RFRB-TB

PRODUCT CODE	DESCRIPTION
NTC Housing	Temperature Sensor Housing



Smart RF Thermostats

RF options for every installation

US PS

Our smart RF thermostats are easy to use with simple temperature adjustment. They work with programmer and underfloor based systems. Available in both hardwired and wireless, our RF enabled thermostats can be controlled from a smartphone using the EMBER App.



5 Year Warranty

The EPH 5 year warranty offers peace of mind to both the installer and the homeowner. It reflects our commitment to product quality and reliability. This warranty benefits both the consumer and the environment by promoting durability over disposability.



Cylinder Control

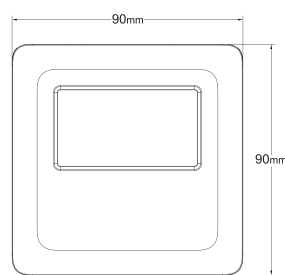
Compatible with both Programmer and Underfloor based systems, our RFCv2 Cylinder Thermostat ensures accurate and efficient control of hot water. Utilising a GW04 gateway will enable the homeowner to manage their heating and hot water from the EMBER app.



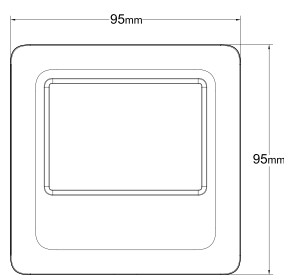
Power Options

These RF enabled thermostats are available in both battery powered and mains powered options. They wirelessly communicate with your heating controller to provide accurate temp control for each zone. Mains powered thermostats eliminate the need for periodic battery replacements.

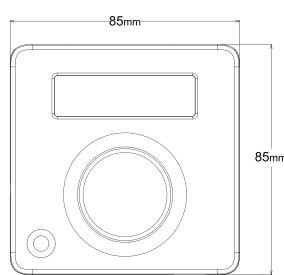
CDT2-RF / CRT2-RF



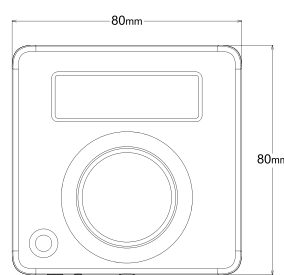
RDT-RF



HDT-RF



RFRBV2 / RFRV2 / RFCV2



FEATURES	CDT2-RF	CRT2-RF	RDT-RF	HDT-RF	RFRBV2	RFRV2	RFCV2
Mains Powered	✓		✓	✓			
Battery Powered		✓			✓	✓	✓
Temp Control Range	5...35°C	5...35°C	5...35°C	5...35°C	5...35°C	5...35°C	10...90°C
Cylinder Stat							✓
Keypad Lock	✓	✓	✓	✓	✓	✓	✓
Setback Function	✓	✓	✓	✓	✓	✓	
Setback Range	0...10°C	0...10°C	0...10°C	0...10°C	0...10°C	0...10°C	
Boost Function						✓	✓
On/Off Function	✓	✓	✓	✓	✓		
Backlight	✓	✓	✓	✓	✓	✓	✓
Switching Differential	0...1.0°C	0...1.0°C	0...1.0°C	0...1.0°C	0...1.0°C	0...1.0°C	0...10°C
Number of External Temperature Sensors	1	1	1 or 2		1	1	
Type of External Temperature Sensor	NTC10K ferrule *	NTC10K ferrule *	NTC10K ferrule **		NTC10K plug *	NTC10K plug *	Included

* Can be used as either an Adjacent Room Sensor, Floor High Limit Sensor or a Floor Sensor.

** Can only be used as an Adjacent Room Sensor and a Floor High Limit Sensor.

Accessories

US PS

NTC10K temperature sensors are an accessory which can be added to certain EPH thermostats. When controlling temperature in an adjacent room, the temperature sensor should be mounted in an NTC Housing to protect the sensor.

PRODUCT CODE	DESCRIPTION	FOR USE WITH
NTC10K-Ferrule	Temperature Sensor, 2m	CDT2-RF, CRT2-RF, RDT-RF
NTC10K-Plug	Temperature Sensor, 2m	RFRV2, RFRBV2

PRODUCT CODE	DESCRIPTION
NTC Housing	Temperature Sensor Housing



Smart RF Wiring Centre

UFH Installations Simplified

US

Whether you're using underfloor heating, radiators or both, the UHF10-RF provides flexibility and simplifies installations by providing a central control unit for a wide variety of heating systems both new and retrofit.



5 Year Warranty

The EPH 5 year warranty offers peace of mind to both the installer and the homeowner. It reflects our commitment to product quality and reliability. This warranty benefits both the consumer and the environment by promoting durability over disposability.



Flexibility

Our UHF10-RF wiring centre range has multiple options to suit many installations. Each featuring a dedicated and clearly labelled output for your valves, pumps, actuators and heat enable, this makes both installation and troubleshooting straightforward saving the installer time.



Simplicity

The UHF10-RF features a simple digital interface and clear LCD screen allowing visibility and control of your entire heating system from one convenient location. Our new UHF10-RF also features a digital interface allowing control of a complete system from one location.



Temperature Control

Including Cylinders and Hot water zones. EPH wiring centres integrate seamlessly with our growing range of thermostats allowing precise control of every zone in your home. Choosing the right thermostat ensures optimum levels of comfort and control.



Multiple Applications

The wireless enabled UHF10-RF is compatible with both battery and mains powered thermostats. They can be used with either actuators or motorised valves, meaning a radiator circuit can be controlled alongside UFH zones.



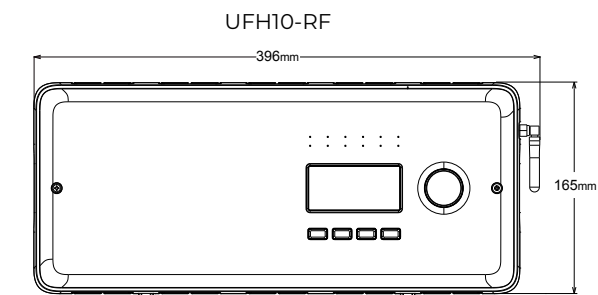
App Control

Adding the GW04 to our UHF10-RF gives full app control to a home heating system including UFH zones, radiator zones and even hot water zones. Fully programmable from the customers smartphone using the EMBER app, comfort and efficiency couldn't be easier.

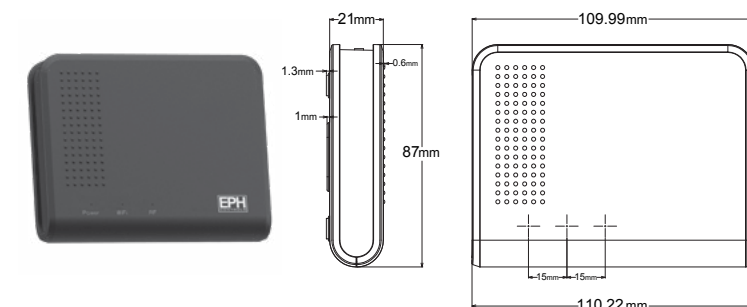


FEATURES

	UHF10-RF
Mains Powered	✓
Zones	10
Switch Outputs	10
Pump Delay	0...5mins
Anti Seize Function	✓
PIN Lock	✓
Test Function	✓
Programmable	✓
RF	✓
Backlight	✓
Actuator Voltage	230Vac
Contact Rating	3(1)A



Compatible with: GW04 & GW04 LAN Gateways





Dual Band - Gateways

Connect using WiFi

US RS TS PS

Used to connect your EPH compatible wireless systems to the EMBER app. It utilises RF communication to connect to your heating controls whilst connecting to the EMBER cloud server via your home WiFi network. It is compatible with both 2.4GHz and 5GHz wireless networks.



GW04

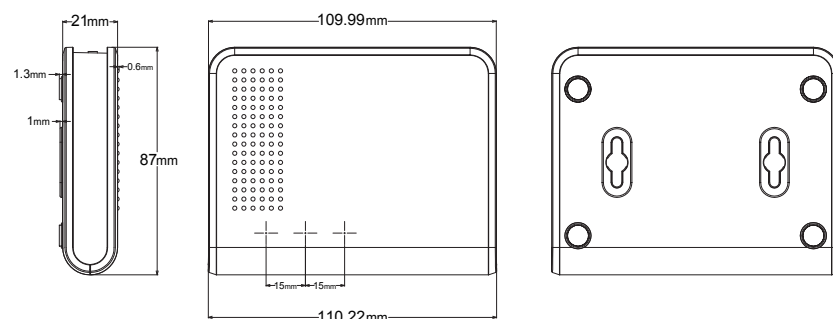


GW04 - LAN

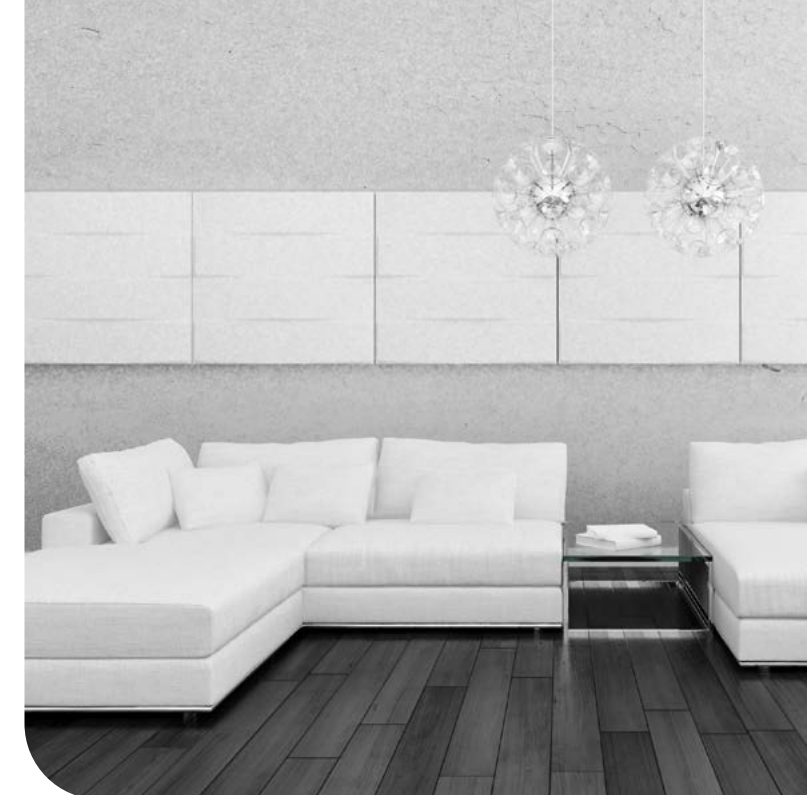
COMING SOON

FEATURES

Mains Powered 230V - Plug	✓	✓
Type	RF / WiFi Interface	RF / WiFi Interface
Dual Band 2.4 / 5GHz	✓	✓
RF Range	Max 10m	Max 10m
Ambient Temp Range	0..45°C	0..45°C
App Control Upgrade	✓	✓



Pro Tip: Ensure your gateway is placed in a central location for optimal signal strength and reliable device connectivity.



Thermal Actuators

Simple & Efficient

US

Thermal actuators are available in both 230V and 24V versions. These are used to open and close circuits on your underfloor manifold based on signals from your heating system.



TA230



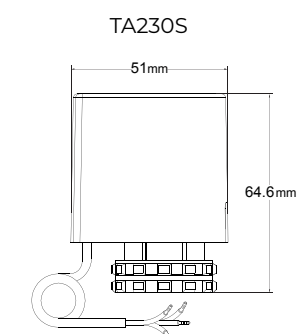
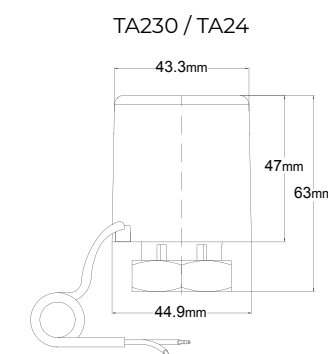
TA230S



TA24

FEATURES

230V Powered	✓	✓	
24V Powered			✓
Actuator Type	Normally Closed or Open	Normally Closed	Normally Closed or Open
Running Time	3.5mins	4.5mins	4.5mins
Auxiliary Switch		✓	
Max. Stroke	3.5mm	3.5mm	3.5mm
Ambient Temp Range	0..50°C	0..50°C	0..50°C
Spring Pressure	125N	125N	125N
Valve Connection	M30 x 1.5	M30 x 1.5	M30 x 1.5
Cable Length	1m	1m	1m
Valve Position Indicator	✓	✓	✓





Hardwired Thermostats

Meet our expanding range

US PS

Our refreshed range of hardwired thermostats are designed for versatility. This range includes mains & battery powered as well as programmable & non programmable meaning there is a thermostat for practically every scenario. The simple interface and large display offer the homeowner a clear upgrade from analogue thermostats.



5 Year warranty

The EPH 5 year warranty offers peace of mind to both the installer and the homeowner. It reflects our commitment to product quality and reliability. This warranty benefits both the consumer and the environment by promoting durability over disposability.



Compatibility

This updated range can be integrated with existing and new systems including underfloor heating systems, boiler systems, programmer based systems, and much more. They can also be used to switch motorised valves and actuators directly, or simply to upgrade existing analogue thermostats.



Keypad Lock

This prevents unauthorised changes to settings, keeping temperature control secure. It's ideal for maintaining energy efficiency in shared spaces or homes with children. This feature ensures consistent comfort and avoids unexpected energy costs.



Temperature Control

EPH Thermostats use best in class NTC sensors to provide precise control of home heating systems. Featuring adjustable hysteresis and customisable high and low limits, these thermostats help you achieve optimum control of your energy costs and comfort levels.



Power Options

These thermostats are available in both battery powered and mains powered options. Battery powered thermostats are ideal for both new and retrofit scenarios where cable runs are difficult and expensive. Mains powered thermostats eliminate the need for periodic battery replacements.



Programming Options

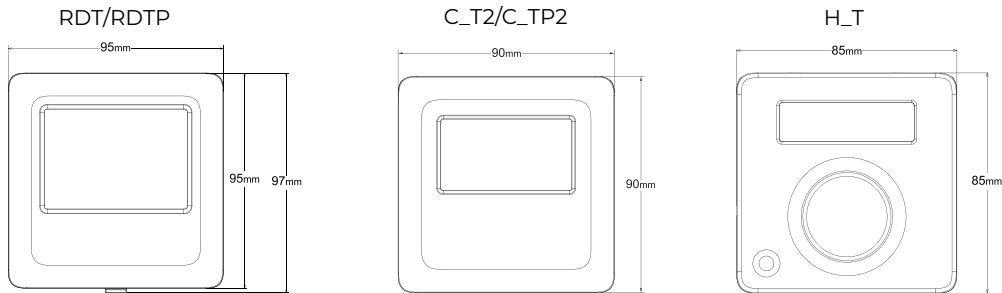
Our programmable thermostats offer both time and temperature control in one simple device, when no existing timer is present, choose a programmable thermostat. If an existing or new programmer, timeswitch or controller is present then choose a non programmable thermostat.

Pro Tip: Reducing your target temperature is the quickest and easiest way to save energy.



FEATURES	RDТ	RDTP**	CDT2**	CDTP2	CRT2	CRTP2	HDT	HRT
Mains Powered	✓	✓	✓	✓			✓	
Battery Powered					✓	✓		✓
Mounting Type	Recessed	Recessed	Surface	Surface	Surface	Surface	Surface	Surface
Programmable		✓		✓		✓		
Non Programmable	✓		✓		✓		✓	✓
Temp Control Range	5...35°C	5...35°C	5...35°C	5...35°C	5...35°C	5...35°C	5...35°C	5...35°C
Optimum Start		✓		✓		✓		
TPI	✓	✓	✓	✓	✓	✓	✓	✓
Delay Start	✓		✓		✓		✓	✓
Keypad Lock	✓	✓	✓	✓	✓	✓	✓	✓
Setback Function	✓						✓	
Setback Range	0...10°C						0...10°C	
Boost Function		✓		✓		✓		
On/Off Function	✓		✓		✓		✓	✓
Contact Rating	10(3)A	10(3)A	10(3)A	10(3)A	10(3)A	10(3)A	7(3)A	8(3)A
Switching Differential	0...1.0°C	0...1.0°C	0...1.0°C	0...1.0°C	0...1.0°C	0...1.0°C	0...1.0°C	0...1.0°C
Number of External Temperature Sensors		1						
Type of External Temperature Sensor		NTC10K ferrule *						

* Can only be used as an Adjacent Room Sensor.
** 24V versions also available. Product codes: RDTP-24 & CDT2-24.





Hardwired Wiring Centres

Wiring made easy

US PS

Whether you're using underfloor heating, radiators, or both, UFH wiring centres provide flexibility, easy installation, and reliable comfort levels. Its versatility and simplicity make it a great choice for any installation.



5 Year Warranty

The EPH 5 year warranty offers peace of mind to both the installer and the homeowner. It reflects our commitment to product quality and reliability. This warranty benefits both the consumer and the environment by promoting durability over disposability.



Flexibility

Our UFH wiring centre range has multiple options to suit many installations. Each featuring a dedicated and clearly labelled output for your valves, pumps, actuators and heat enable, this makes both installation and troubleshooting straightforward saving the installer time.



Simplicity

Our hardwired UFH wiring centres feature convenient LED indicators to display when your system is operating at a glance. Our new UFH10-RF also features a digital interface allowing control of a complete system from one location.



Temperature Control

EPH wiring centres integrate seamlessly with our growing range of thermostats allowing precise control of every zone in your home. Choosing the right thermostat ensures optimum levels of comfort and control.



Multiple Applications

Our hardwired wiring centres are available in 230v & 24v. They can be used with either actuators or motorised valves, meaning a radiator circuit can be controlled alongside UFH zones.

Pro Tip: Follow the wiring diagram in the instructions to ensure proper connection.



UFH5



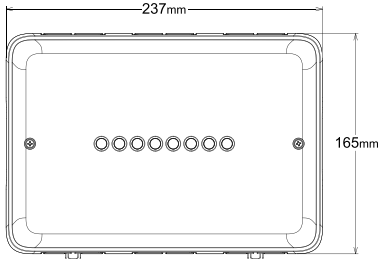
UFH10



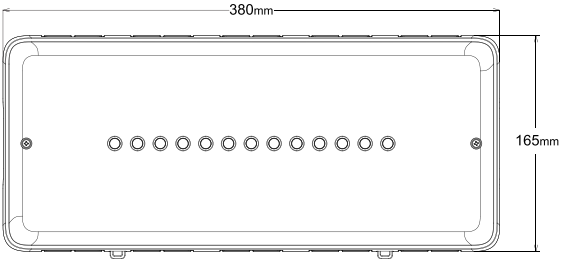
UFH10-24

FEATURES	UFH5	UFH10	UFH10-24
Mains Powered	✓	✓	✓
24Vac Powered			✓
Zones	5	10	10
Time Inputs	3	4	4
UFH-RAD/HW Switches	2	2	2
Heat Enable Output	Volt Free	Volt Free	Volt Free
UFH Pump Output	230Vac	230Vac	230Vac
Thermostat Voltage	230Vac	230Vac	24Vac
Actuator Voltage	230Vac	230Vac	230Vac
Contact Rating	3(1)A	3(1)A	3(1)A
Transformer	N/A	N/A	KBE6023T

UFH5

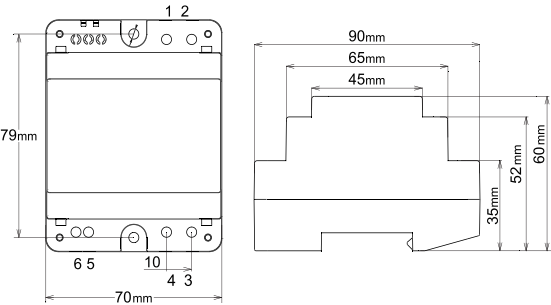


UFH10
UFH10-24



UFH10-24 requires both 230Vac and 24Vac power supplies. UFH10-24 works with 24V Thermostats and 230V Actuators. Accessory - KBE6023T 230V to 24V transformer for use with UFH10-24.

KBE6023T



US

Underfloor System

Designed to simplify installing and controlling an underfloor system, saving time and money. Pairing with our new RF thermostats reduces installation time by eliminating the need to wire each thermostat individually.



RS

Radiator System

Ideal for zoning a home with 1 to 16 radiators - allowing for individual room temperature control. The base unit is designed for use with an industry standard 6 Pin backplate. Only heat the area you want, when you want.



TS

Thermostat System

Upgraded thermostat and receiver design which retains all of the functionality our customers have grown to love. OpenTherm is integrated for efficiency and can be used for systems with 1 – 6 zones including hot water cylinders.



PS

Programmer System

Comprising of a 1, 2, 3 or 4 channel programmer and our latest range of RF thermostats, the PS System is ideal for new and retrofit installations. Particularly convenient for systems including motorised valves.



*Gateway model dependant on software version

Rewards
EPH CONTROLS

EPH
CONTROLS

Your **hard work** & dedication
deserve recognition & **rewards**



Attention Installers!

Introducing EPH Rewards

We want to say thank you & reward you for your loyalty.

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- Simple registration process.
- Enjoy boosted points on promotional items.
- Gain access to exclusive EPH Controls merchandise.

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Smart Heating Control



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