

HEATING CONTROLS

2026 UK Catalogue



Welcome

Explore our 2026 product range

& 29 years of excellence



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Iconography



3 On/Off Periods



5 Year Warranty



Frost Protection



Indicator Light



Detachable Actuator



Limitable Temp. Range



Mains Powered



Max 30M Distance



Keypad Lock



Open Therm



Legionnaires Function



Service Interval



Motor Made in USA



Battery Powered



Cable Sensor



TPI



We reward

Loyalty & Dedication

We'd like to say: Thank you.

Rewards
EPH CONTROLS

How EPH Rewards programme works

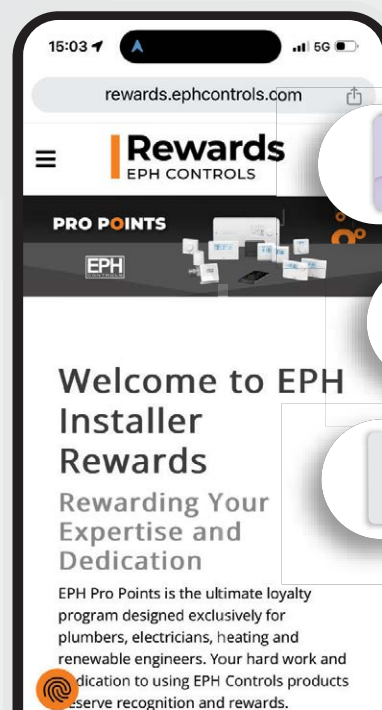
- Earn Pro Points for installing EPH products.
- Exchange Pro Points for gift cards & gadgets from top retailers.
- Be the first to hear about the latest product launches.
- Simple registration process.
- Enjoy boosted points on promotional items.
- Gain access to exclusive EPH Controls merchandise.

Attention all Installers

Welcome Bonus when you join!

Enjoy your

**WELCOME
BONUS**



Gift Card

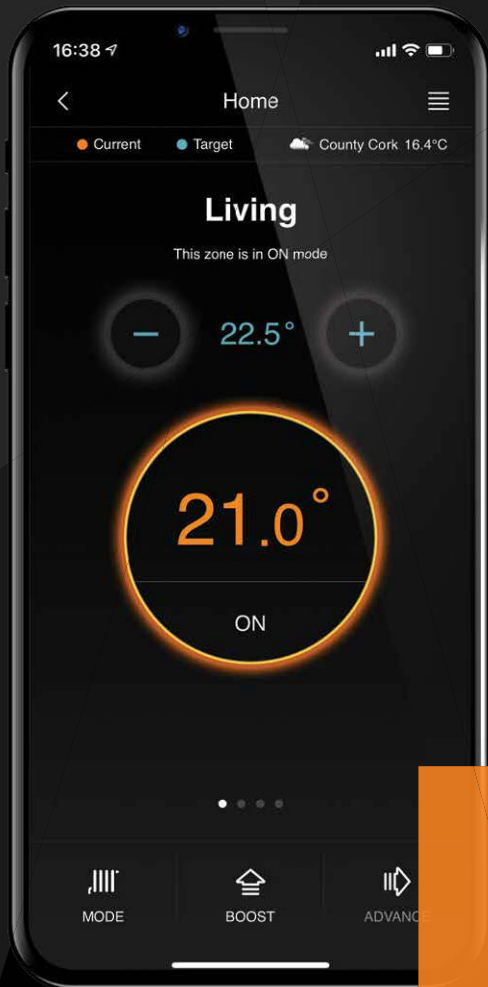


Shopping



and more

Smart Heating Control



1 APP
4
SYSTEMS



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.



UFH10-RF



GW04



RDT-RF-TW



RDT-RF-TB



RFRB-TW



RFRB-TB



RF1B



RFRV2



RFCV2



RFRBV2



HDT-RF



RDT-RF



CDT2-RF



CRT2-RF



eTRV



TA230



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.



CP4V2



CP4D



CP4 *



CP4-HW-OT *



GW04



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.



RF16



GW04



eTRV



eTRV-HW



SEMTRVB22



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.



R17-RFV2



R27-RFV2



R37-RFV2



R47-RFV2



GW04



RDT-RF-TW



RDT-RF-TB



RFRB-TW



RFRB-TB



RFRV2



RFCV2



RFRBV2



HDT-RF



RDT-RF



CDT2-RF



CRT2-RF



Underfloor

Heating Control System

The US Underfloor System controls up to 10 zones and delivers the ultimate level of comfort for the homeowner through the EMBER App. Our innovative technology makes underfloor installations simple for the installer.

The UFH10-RF saves installers time and money by connecting to our wireless thermostats, eliminating costly cable runs.



Coming in 2026: Zone 10 can pair with up to 10 eTRVs for combined underfloor and radiator control - ideal for mixed systems - while optional RF boiler communication removes the need for wiring from the manifold.





EMBER Underfloor System

RF Wiring Centre 10 Zone

Add a GW04 Gateway to upgrade to EMBER App Control



PRODUCT CODE	CONTACT RATING	NO. OF ZONES	PROGRAMMER
UFH10-RF	3(1)A	10	10 Zone Integrated
POWER SUPPLY	HEAT ENABLE OUTPUT	UFH PUMP OUTPUT	FEATURES
230Vac ±10%	Volt Free	230V~	Pump Delay 0...5 mins Anti-Seize Function

GW04 WiFi Gateway

Used to upgrade your UFH10-RF to EMBER App Control



PRODUCT CODE	CONNECTIVITY OPTIONS	FREQUENCY BANDS	
GW04	RF & WiFi Interface	2.4 or 5GHz	
POWER SUPPLY	PORT TYPE	RF RANGE	ACCESSORIES INCLUDED
230Vac ±10%	Micro USB	10m	USB Plug & Cable

RF Recessed Thermostat with Setback Function - Mains powered

TOUCH



RDT-RF-TW



RDT-RF-TB

NEW

ErP Class IV = 2%
Compatible with up to 2 External Temp Sensors
Accessories: NTC10K-Ferrule & NTC Housing



PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
RDT-RF-TW	Recessed	5 ... 35°C	On/Off Button Delay Start / TPI
RDT-RF-TB	Recessed	5 ... 35°C	On/Off Button Delay Start / TPI
POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
230Vac ±10%	0 ... 1.0°C	30m	UFH10-RF or R_7-RF ^{V2}

RF Thermostat with Setback Function - Battery powered

TOUCH



RFRB-TW



RFRB-TB

NEW

ErP Class IV = 2%
Compatible with 1 External Temp Sensor
Accessories: NTC10K-Plug & NTC Housing



PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
RFRB-TW	Surface or Stand	5 ... 35°C	On/Off Button Delay Start / TPI
RFRB-TB	Surface or Stand	5 ... 35°C	On/Off Button Delay Start / TPI
POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
4 x AAA (incl.)	0 ... 1.0°C	30m	UFH10-RF or R_7-RF ^{V2}

RF Thermostat with Setback Function - Battery powered



ErP Class IV = 2%
Compatible with 1 External Temp Sensor
Accessories: NTC10K-Plug & NTC Housing



PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
RFRB ^{V2}	Surface or Stand	5 ... 35°C	On/Off Button Delay Start / TPI
RFR ^{V2}	Surface or Stand	5 ... 35°C	Boost Button Delay Start / TPI
POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
2 x AAA (incl.)	0 ... 1.0°C	30m	UFH10-RF or R_7-RF ^{V2}

RF Dial Thermostat with Setback Function – Mains powered

EMBER APP US PS



ErP Class IV = 2%

Not compatible with External Temp Sensors



PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
HDT-RF	Surface	5 ... 35°C	Delay Start / TPI / Setback Function
POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
230Vac ± 10%	0 ... 1.0°C	30m	UFH10-RF or R_7-RF ^{V2}

RF Recessed Thermostat with Setback Function – Mains powered

EMBER APP US PS



ErP Class IV = 2%

Compatible with 1 External Temp Sensor

Accessories: NTC10K-Ferrule & NTC Housing



PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
RDT-RF	Recessed	5 ... 35°C	Delay Start / TPI / Setback Function
POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
230Vac ± 10%	0 ... 1.0°C	30m	UFH10-RF or R_7-RF ^{V2}

RF Surface Mounted Thermostat with Setback Function – Mains powered

EMBER APP US PS



ErP Class IV = 2%

Compatible with 1 External Temp Sensor

Accessories: NTC10K-Ferrule & NTC Housing



PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
CDT2-RF	Surface	5 ... 35°C	Delay Start / TPI / Setback Function
POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
230Vac ± 10%	0 ... 1.0°C	30m	UFH10-RF or R_7-RF ^{V2}

RF Surface Mounted Thermostat with Setback Function – Battery powered

EMBER APP US PS



ErP Class IV = 2%

Compatible with 1 External Temp Sensor

Accessories: NTC10K-Ferrule & NTC Housing



PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
CRT2-RF	Surface	5 ... 35°C	Delay Start / TPI / Setback Function
POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
2 x AA (incl.)	0 ... 1.0°C	30m	UFH10-RF or R_7-RF ^{V2}



RF Cylinder Thermostat - Battery powered



ErP Class IV = 1%



PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
RFC ^{V2}	Surface	10 ... 90°C	Boost Button

POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
2 x AAA (incl.)	0 ... 10.0°C	30m	UFH10-RF or R_7-RF ^{V2}

Smart Radiator Thermostat

Up to 10 eTRVs can connect to a UFH10-RF*



Designed for use with EPH Controls TRV valves

* App Control available only with GW04^{V2}



PRODUCT CODE	TYPE	TEMP RANGE	CONNECTION
eTRV	Radiator Thermostat	5 ... 35°C	M30 x 1.5

POWER SUPPLY	DIMENSIONS	RF RANGE	FOR USE WITH
2 x AA (incl.)	86 x 86 x 25mm	Max 30m	RF16 & UFH10-RF

Thermal Actuator



PRODUCT CODE	ACTUATOR TYPE	RUNNING TIME	AUXILIARY SWITCH
TA230	Normally Closed (Open)	3.5 min	-
TA230S	Normally Closed	4.5 min	Yes

POWER SUPPLY	MAX. STROKE	SPRING PRESSURE	VALVE CONNECTION
230Vac ±10%	3.5mm	125N	M30 x 1.5

Accessories



PRODUCT CODE	DESCRIPTION	FOR USE WITH
NTC10K-Ferrule	Temp Sensor, 2m	CDT2-RF, CRT2-RF, RDT-RT, RDT-RF-TW, RDT-RF-TB
NTC10K-Plug	Temp Sensor, 2m	RFR ^{V2} , RFRB ^{V2} , RFRB-TW, RFRB-TB

PRODUCT CODE	DESCRIPTION	FOR USE WITH
NTC Housing	Temp Sensor Housing	NTC10K-Ferrule, NTC10K-Plug



RECEIVER	POWER SUPPLY	BACKPLATE	CONTACT RATING	SWITCH OUTPUT
RF1B	230Vac ±10%	6 Pin	10(3)A 230Vac	SPDT Volt Free

COMING SOON

Multi Thermostat System

RDTP-TW for fully hardwired installations



Connects directly to gateway



up to 10 thermostats per gateway



Underfloor & Radiator Systems



Open Therm®



Voice Control



Quick Boost



Keypad Lock

Introducing the Thermostat System

Ideal for Retrofit and New build applications



The RDTP-TW Thermostat connects directly to the GW04^{V2} Gateway, providing a simple and flexible solution for underfloor heating control.

Designed for fully hardwired installations, the system allows up to 10 Thermostats to be paired to a single gateway, enabling independent temperature control across multiple zones via your smart devices.



CP4



The CP4 thermostat from EPH Controls has solidified its position as a market leading thermostat, thanks to its advanced functionality and universal compatibility. The thermostat and receiver come pre-paired for easy installation, making it a favourite among installers and homeowners alike.

CP4^{V2}



Meet the CP4^{V2}, the latest version of the favourite CP4. Building on its predecessor's success, CP4^{V2} seamlessly merges a sleek, contemporary design with trusted features. Introducing a redesigned receiver to fit an industry standard 6 Pin backplate and an innovative 30 minute boost feature, the CP4^{V2} adds convenience to the user while enhancing the installation experience for the installer.

Thermostat

Heating Control System





CP4D



Responding to user preferences for an intuitive handwheel control, CP4D allows quick and smooth temperature adjustment.

With a large clear display, this modern thermostat retains the trusted features of the original CP4 including OpenTherm® modulation, wireless communication and wide compatibility.

GW04



Add a Gateway for Smart Control

Make it Smart! The GW04 gateway is the perfect addition to any CP4, CP4^{v2} or CP4D installation. Adding a gateway to the system allows the user full app control of up to 6 thermostats in one home.

With the EMBER App it is possible to have complete control over your heating system anywhere, anytime.

the best just got better :)



VOICE CONTROL



CONVENIENT



MULTIPLE CONTROL



COST EFFECTIVE



MULTI ZONE



EASY INSTALLATION



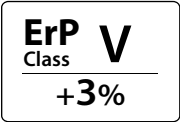
USER FRIENDLY



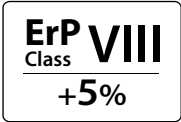
OPENTHERM®



PROGRAMMABLE



When one thermostat is fitted in conjunction with a modulating boiler



When three thermostats are fitted in conjunction with a modulating boiler





TS

Thermostat System – RF Room Thermostats

RF Programmable Thermostat

Add a GW04 Gateway to upgrade to EMBER App Control

TS



RFRPD RF1B



RFRPV2 RF1B



RFRP-OT RF1A-OT

ErP Class V = 3%,
* ErP Class VIII = 5%

* (When 3 no. thermostats are fitted in conjunction with a modulating boiler.)



PRODUCT CODE	COMPONENTS	RF RANGE	INTERNAL TEMP SENSOR
CP4D	RFRPD & RF1B	30m	NTC100K
THERMOSTAT	POWER SUPPLY	TEMP RANGE	FEATURES
RFRPD	2 x AA (incl.)	5 ... 35°C	Optimum Start & TPi

PRODUCT CODE	COMPONENTS	RF RANGE	INTERNAL TEMP SENSOR
CP4 ^{V2}	RFRPV2 & RF1B	30m	NTC100K
THERMOSTAT	POWER SUPPLY	TEMP RANGE	FEATURES
RFRPV2	2 x AA (incl.)	5 ... 35°C	Optimum Start & TPi

RECEIVER	POWER SUPPLY	BACKPLATE	CONTACT RATING	SWITCH OUTPUT
RF1B	230Vac ±10%	6 Pin	3A 230Vac	SPDT Volt Free

PRODUCT CODE	COMPONENTS	RF RANGE	INTERNAL TEMP SENSOR
CP4	RFRP-OT & RF1A-OT	30m	NTC100K
THERMOSTAT	POWER SUPPLY	TEMP RANGE	FEATURES
RFRP-OT	2 x AA (incl.)	5 ... 35°C	Optimum Start & TPi

RECEIVER	POWER SUPPLY	CONTACT RATING	SWITCH OUTPUT
RF1A-OT	230Vac ±10%	10(3)A 230Vac	SPDT Volt Free

GW04 WiFi Gateway

Used to upgrade your system to EMBER App Control

PS RS TS US



PRODUCT CODE	CONNECTIVITY OPTIONS	FREQUENCY BANDS
GW04	RF & WiFi Interface	2.4 or 5GHz

POWER SUPPLY	PORT TYPE	RF RANGE	ACCESSORIES INCLUDED
230Vac ±10%	Micro USB	10m	USB Plug & Cable

CP4i – Smart Thermostat

EMBER APP TS



RFRP-OT RF1A-OT GW04

ErP Class V = 3%,
* ErP Class VIII = 5%

* (When 3 no. thermostats are fitted in conjunction with a modulating boiler.)



PRODUCT CODE	COMPONENTS	RF RANGE	INTERNAL TEMP SENSOR
CP4i	RFRP-OT RF1A-OT GW04	30m	NTC100K
THERMOSTAT	POWER SUPPLY	TEMP RANGE	FEATURES
RFRP-OT	2 x AA (incl.)	5 ... 35°C	Optimum Start & TPi

RECEIVER	POWER SUPPLY	CONTACT RATING	SWITCH OUTPUT
RF1A-OT	230Vac ±10%	10(3)A 230Vac	SPDT Volt Free

GATEWAY	POWER SUPPLY	FREQUENCY BANDS	ACCESSORIES INCLUDED
GW04	230Vac ±10%	2.4 or 5GHz	USB Plug & Cable

COMING SOON

Smart Thermostat

CP5i



 OpenTherm® |  Voice Control |  Pre-paired |  Quick Boost |  Keypad Lock

Introducing the CP5i Smart Thermostat

The CP5i Smart Thermostat pack includes a wireless Room Thermostat and a 1 Zone Receiver, providing a simple solution for controlling a combi boiler or a single zone in a heating system.



It comes with the new GW04^{V2} Gateway which offers both WiFi and LAN connectivity options. The EMBER TS system is compatible with up to 6 thermostats per gateway giving ultimate flexibility for large and small installations.





TS

COMING SOON

Pack Guide		RFRP-TW Thermostat	RF1B 1 Zone Receiver	RF2B 2 Zone Receiver	NTC10K-Plug Temperature Sensor	GW04 ^{V2} Dual band Gateway
						
1 Zone	CP5i	1	1			1
	EMBERTS21	1		1		1
2 Zone	EMBERTS22	2		1	1	1

CP5i – Smart Thermostat

RFRP-TW RF1B GW04^{V2}

ErP Class V = 3%,

* ErP Class VIII = 5%

* [When 3 no. thermostats are fitted in conjunction with a modulating boiler.]



PRODUCT CODE	COMPONENTS	RF RANGE	INTERNAL TEMP SENSOR
CP5i	RFRP-TW RF1B GW04 ^{V2}	30m	NTC100K
THERMOSTAT	POWER SUPPLY	TEMP RANGE	FEATURES
RFRP-TW	4 x AAA (incl.)	5 ... 35°C	Optimum Start & TPi
RECEIVER	POWER SUPPLY	CONTACT RATING	SWITCH OUTPUT
RF1B	230Vac ±10%	3A 230Vac	SPDT Volt Free
GATEWAY	POWER SUPPLY	FREQUENCY BANDS	ACCESSORIES INCLUDED
GW04 ^{V2}	230Vac ±10%	2.4 or 5GHz	USB Plug & Cable

EMBERTS21 – Smart Thermostat – Heating with Timed output for Zone 2

RFRP-TW RF2B GW04^{V2}

ErP Class V = 3%,

* ErP Class VIII = 5%

* [When 3 no. thermostats are fitted in conjunction with a modulating boiler.]



PRODUCT CODE	COMPONENTS	RF RANGE	INTERNAL TEMP SENSOR
EMBERTS21	RFRP-TW RF2B GW04 ^{V2}	30m	NTC100K
THERMOSTAT	POWER SUPPLY	TEMP RANGE	FEATURES
RFRP-TW	4 x AAA (incl.)	5 ... 35°C	Optimum Start & TPi
RECEIVER	POWER SUPPLY	CONTACT RATING	SWITCH OUTPUT
RF2B	230Vac ±10%	3A 230Vac	SPDT 230Vac
GATEWAY	POWER SUPPLY	FREQUENCY BANDS	ACCESSORIES INCLUDED
GW04 ^{V2}	230Vac ±10%	2.4 or 5GHz	USB Plug & Cable

EMBERTS22 – Smart Thermostats – 2 Heating Zones or Heating & Hot Water

RFRP-TW x 2 RF2B GW04^{V2} NTC10K- Plug

Accessories Included: NTC10K-Plug

Can be converted to a hot water thermostat when it is connected.

ErP Class V = 3%,

* ErP Class VIII = 5%

* [When 3 no. thermostats are fitted in conjunction with a modulating boiler.]



PRODUCT CODE	COMPONENTS	RF RANGE	INTERNAL TEMP SENSOR
EMBERTS22	RFRP-TW x 2 RF2B GW04 ^{V2} NTC10K-Plug	30m	NTC100K
THERMOSTAT	POWER SUPPLY	TEMP RANGE	FEATURES
RFRP-TW	4 x AAA (incl.)	5 ... 35°C	Optimum Start & TPi
RECEIVER	POWER SUPPLY	CONTACT RATING	SWITCH OUTPUT
RF2B	230Vac ±10%	3A 230Vac	SPDT 230Vac
GATEWAY	POWER SUPPLY	FREQUENCY BANDS	ACCESSORIES INCLUDED
GW04 ^{V2}	230Vac ±10%	2.4 or 5GHz	USB Plug & Cable

“The best,
just got
better”

Combi range

Thermostats

ErP Class IV | +2%

Standard installation connected via TPI

ErP Class V | +3%

When used with OpenTherm®

ErP Class VIII | +5%

When 3 or more are fitted & connected via OpenTherm®

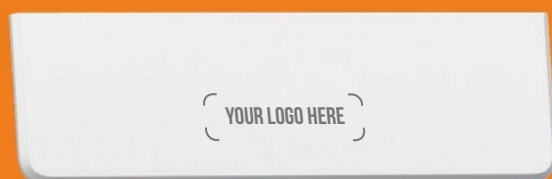
Product Code	CP4B	CP4M	CP4	CP4V2	CP4D	CP4-HW-OT	CP4i	CP5i
								
Smart / App Control			✓*	✓*	✓*	✓*	✓	✓
Wireless			✓	✓	✓	✓	✓	✓
Battery Powered	✓		✓	✓	✓	✓	✓	✓
Hardwired		✓						
Boiler Plus Compliant	✓	✓	✓	✓	✓	✓	✓	✓
OpenTherm®	✓	✓	✓	✓	✓	✓	✓	✓
5 Year Warranty	✓	✓	✓	✓	✓	✓	✓	✓
Boost Function	✓	✓	✓	✓	✓	✓	✓	✓
Industry Standard Backplate		✓		✓**	✓**			✓**
Service Interval	✓	✓	✓	✓	✓	✓	✓	✓

GW04 Gateway is required to enable App Control

** RF1B Receiver has an Industry Standard Backplate

Order your branded flaps >

with your contact details on the inside.





Radiator

Heating Control System

Individual Room Control

The eTRV Smart Radiator Thermostat from EPH Controls is designed to control the heating of individual radiators in your home.

Its advanced features and remote control capability allows you to optimise the heating in specific rooms or zones in your home.

The eTRV provides convenience, energy savings and precise controls over your homes heating making it the smart choice for a modern smart home.



**Matching
Interior?**

Absolutely!



Optional colour covers for eTRVs



Black



Anthracite



Brass



Rose
Gold



Ferrari
Red



Orange



Green



Royal
Blue



16 Zone Controller



Add a GW04 Gateway to upgrade to EMBER App Control



PRODUCT CODE	NUMBER OF ZONES	OPERATING PERIODS	SCREEN DIMENSIONS
RF16	16	6 per day	100 x 35 mm
POWER SUPPLY	BACKPLATE	CONTACT RATING	SWITCH OUTPUT
230Vac ± 10%	6 pin	5(1)A 230Vac	SPDT Volt Free

GW04 WiFi Gateway



Used to upgrade your RF16 to EMBER App Control



PRODUCT CODE	CONNECTIVITY OPTIONS	FREQUENCY BANDS	
GW04	RF & WiFi Interface	2.4 or 5GHz	
POWER SUPPLY	PORT TYPE	RF RANGE	ACCESSORIES INCL.
230Vac ±10%	Micro USB	10m	USB Plug & Cable

RF Smart Radiator Thermostat

Designed for use with EPH Controls TRV valves



PRODUCT CODE	TYPE	TEMP RANGE	CONNECTION
eTRV	Radiator Thermostat	5 ... 35°C	M30 x 1.5
POWER SUPPLY	DIMENSIONS	RF RANGE	FOR USE WITH
2 x AA (incl.)	86 x 86 x 25mm	Max 30m	RF16 & EMBER RS
PRODUCT CODE	DESCRIPTION	COMPATIBLE WITH NON EPH VALVE	
eTRV-ACS	TRV rings for	Danfoss RA, RAVL, RAV, Caleffi, Giacomini & M28	
eTRV-EXT	Spindle extension for	Myson valves	

TRV Body - 15mm



PRODUCT CODE	CONNECTION TYPE	BI DIRECTIONAL	MAX. FLOW TEMP.
TRVB15	15mm Compression	Yes	90°C
NOMINAL FLOW RATE	MAX. DIFFERENTIAL PRESSURE	MAX. STATIC PRESSURE	CONNECTION
190 l/h	0.6 bar	10 bar	M30 x 1.5

Wireless Smart Cylinder Thermostat



Designed for use with EPH Controls SEMBTRV22



PRODUCT CODE	TYPE	TEMP RANGE	CONNECTION
eTRV-HW	Hot Water Thermostat	5 ... 90°C	M30 x 1.5
POWER SUPPLY	DIMENSIONS	RF RANGE	FOR USE WITH
2 x AA (incl.)	86 x 86 x 25mm	Max 30m	RF16 & EMBER RS

2 Port Valve - 22mm



PRODUCT CODE	CONNECTION TYPE	BI DIRECTIONAL	MAX. FLOW TEMP.
SEMTRVB22	22mm Compression	No	90°C
FLOW RATE	MAX. DIFFERENTIAL PRESSURE	MAX. STATIC PRESSURE	CONNECTION
4.4Kvs	1.0 bar	10	M30 x 1.5



Programmer

Heating Control System

The EMBER PS Programmer Systems give you full control of your heating system directly from your smartphone or tablet. The system is comprised of wireless RF programmers, thermostats and a WiFi gateway.

With EMBER PS you can control up to 16 zones in a home. Check out the pack guide below, whatever the installation requires, EPH have an EMBER pack for you.

1 APP
4
SYSTEMS



Pack Guide

			R17-RF ^{V2} 1 Zone Timeswitch 	R27-RF ^{V2} 2 Zone Programmer 	R37-RF ^{V2} 3 Zone Programmer 	R47-RF ^{V2} 4 Zone Programmer 	RFR ^{V2} Room Thermostat 	RFC ^{V2} Cylinder Thermostat 	GW04 Dualband Gateway 
1 Zone	EMBER PS01		1				1		1
	EMBER PS01a		1						1
2 Zone	EMBER PS02			1			1		1
	EMBER PS03			1			2		1
	EMBER PS04			1			1	1	1
	EMBER PS04a			1					1
3 Zone	EMBER PS05				1		3		1
	EMBER PS06				1		2		1
	EMBER PS07				1		1		1
	EMBER PS08				1		2	1	1
	EMBER PS08a				1				1
	EMBER PS09				1		1	1	1
4 Zone	EMBER PS10					1	4		1
	EMBER PS11					1	3		1
	EMBER PS12					1	2		1
	EMBER PS13					1	1		1
	EMBER PS14					1	3	1	1
	EMBER PS14a					1			1
	EMBER PS15					1	2	1	1
	EMBER PS16					1	1	1	1



1 Zone RF Timeswitch



Programming Mode: 5/2d - 7d - 24h



Add a GW04 Gateway to upgrade to EMBER App Control



PRODUCT CODE	NUMBER OF ZONES	BOOST PERIOD	PIN LOCK
R17-RF ^{V2}	1	30min, 1h, 2h, 3h	2 Options

POWER SUPPLY	BACKPLATE	CONTACT RATING	SWITCH OUTPUT
230Vac ±10%	6 Pin	3(1)A 230Vac	SPDT Volt Free

2 Zone RF Programmer



Programming Mode: 5/2d - 7d - 24h



Add a GW04 Gateway to upgrade to EMBER App Control



PRODUCT CODE	NUMBER OF ZONES	BOOST PERIOD	PIN LOCK
R27-RF ^{V2}	2	30min, 1h, 2h, 3h	2 Options

POWER SUPPLY	BACKPLATE	CONTACT RATING	SWITCH OUTPUT
230Vac ±10%	6 Pin	3(1)A 230Vac	SPDT 230Vac

3 Zone RF Programmer



Programming Mode: 5/2d - 7d - 24h



Add a GW04 Gateway to upgrade to EMBER App Control



PRODUCT CODE	NUMBER OF ZONES	BOOST PERIOD	PIN LOCK
R37-RF ^{V2}	3	30min, 1h, 2h, 3h	2 Options

POWER SUPPLY	BACKPLATE	CONTACT RATING	SWITCH OUTPUT
230Vac ±10%	8 Pin	3(1)A 230Vac	SPDT 230Vac

4 Zone RF Programmer



Programming Mode: 5/2d - 7d - 24h



Add a GW04 Gateway to upgrade to EMBER App Control



PRODUCT CODE	NUMBER OF ZONES	BOOST PERIOD	PIN LOCK
R47-RF ^{V2}	4	30min, 1h, 2h, 3h	2 Options

POWER SUPPLY	BACKPLATE	CONTACT RATING	SWITCH OUTPUT
230Vac ±10%	8 Pin	3(1)A 230Vac	SPST 230Vac

GW04 WiFi Gateway



Used to upgrade your R_7-RF^{V2} to EMBER App Control



PRODUCT CODE	CONNECTIVITY OPTIONS	FREQUENCY BANDS
GW04	RF & WiFi Interface	2.4 or 5GHz

POWER SUPPLY	PORT TYPE	RF RANGE	ACCESSORIES INCLUDED
230Vac ±10%	Micro USB	10m	USB Plug & Cable

RF Recessed Thermostat with Setback Function - Mains powered **TOUCH**

RDT-RF-TB

NEW

PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
RDT-RF-TW	Recessed	5 ... 35 °C	On/Off Button Delay Start / TPI
RDT-RF-TB	Recessed	5 ... 35 °C	On/Off Button Delay Start / TPI
POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
230Vac ±10%	0 ... 1.0 °C	30m	R 7-RF ^{V2} or UHF10-RF

Accessories: NTC10K-Ferrule & NTC Housing

RF Thermostat with Setback Function - Battery powered **TOUCH**

RFRB-TB

NEW

PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
RFRB-TW	Surface or Stand	5 ... 35°C	On/Off Button Delay Start / TPI
RFRB-TB	Surface or Stand	5 ... 35°C	On/Off Button Delay Start / TPI
POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
4 x AAA (incl.)	0 ... 1.0°C	30m	R 7-RF ^{v2} or UFH10-RF

Accessories: NTC10K-Plug & NTC Housing



RF Thermostat with Setback Function – Battery powered



PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
RFRB ^{V2}	Surface or Stand	5 ... 35° C	On/Off Button Delay Start / TPI
RFR ^{V2}	Surface or Stand	5 ... 35° C	Boost Button Delay Start / TPI
POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
2 x AAA (incl.)	0 ... 1.0° C	30m	R 7-RF ^{V2} or UHF10-RF

Accessories: NTC10K-Plug & NTC Housing



RF Dial Thermostat with Setback Function – Mains powered



PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
HDT-RF	Surface	5 ... 35°C	Delay Start / TPI / Setback Function
POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
230Vac ± 10%	0 ... 1.0°C	30m	R_7-RF ^{V2} or UFH10-RF

Not compatible with External Temp Sensors



RF Recessed Thermostat with Setback Function – Mains powered



PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
RDT-RF	Recessed	5 ... 35 °C	Delay Start / TPI / Setback Function

ErP Class IV = 2%
Compatible with 1 External Temp Sensor
Accessories: NTC10K-Ferrule & NTC Housing

POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
230Vac ± 10%	0 ... 1.0 °C	30m	R_7-RF ^{v2} or UFH10-RF



RF Surface Mounted Thermostat with Setback Function – Mains powered



PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
CDT2-RF	Surface	5 ... 35 °C	Delay Start / TPI / Setback Function

ErP Class IV = 2%
Compatible with 1 External Temp Sensor
Accessories: NTC10K-Ferrule & NTC Housing

POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
230Vac ± 10%	0 ... 1.0 °C	30m	R_7-RF ^{v2} or UFH10-RF



RF Surface Mounted Thermostat with Setback Function – Battery powered



PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
CRT2-RF	Surface	5 ... 35 °C	Delay Start / TPI / Setback Function

ErP Class IV = 2%
Compatible with 1 External Temp Sensor
Accessories: NTC10K-Ferrule & NTC Housing

POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
2 x AA (incl.)	0 ... 1.0 °C	30m	R_7-RF ^{v2} or UFH10-RF



RF Cylinder Thermostat – Batter powered



PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
RFC ^{v2}	Surface	10 ... 90 °C	Boost Button

ErP Class IV = 1%

POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
2 x AAA (incl.)	0 ... 10.0 °C	30m	R_7-RF ^{v2} or UFH10-RF



COMING SOON

Smart Gateway

Now with Ethernet Connectivity

GW04^{V2}



Wi-Fi + LAN
Connectivity



1 APP 4 SYSTEMS



Introducing the next generation of Gateway

The GW04^{V2} features a built-in Ethernet port, providing a more reliable and straightforward connection to your home router. This improvement has been fully tested to simplify installation and deliver stable connectivity.

The new gateway also supports a greater number of device connections. It can now pair with 2 x UFH10-RF on a single gateway, offering increased system flexibility. It will also support control of eTRV with the UFH10-RF through the EMBER App.

GW04 WiFi Gateway



Used to upgrade your system to EMBER App Control



PRODUCT CODE	CONNECTIVITY OPTIONS	FOR USE WITH
GW04	RF & WiFi Interface	R17-RF ^{V2} , R27-RF ^{V2} , R37-RF ^{V2} , R47-RF ^{V2} , CP4, CP4 ^{V2} , CP4D, CP4-HW-OT, UFH10-RF, RF16

POWER SUPPLY	PORT TYPE	ACCESSORIES INCLUDED	FREQUENCY BANDS
230Vac ±10%	Micro USB	USB Plug & Cable	2.4 or 5GHz

GW01 WiFi Gateway



Used to upgrade your programmer to EMBER App Control



PRODUCT CODE	CONNECTIVITY OPTIONS	FOR USE WITH
GW01	RF & WiFi Interface	R17-RF, R27-RF, R37-RF, R47-RF Version 1 only

POWER SUPPLY	PORT TYPE	ACCESSORIES INCLUDED	FREQUENCY BANDS
230Vac ±10%	Mini USB	USB Plug & Cable	2.4GHz

RF Programmer Packs

These wireless Programmer Packs provide a 1 - 4 zone solution for Wireless zoning. All of these products are also WiFi ready, so that they can be controlled via the EMBER heating control app with the addition of the WiFi gateway. This offers a simple and convenient solution to installations, where time and temperature control is required via smart devices.

1 Zone Wireless Timeswitch Pack

Add a GW04 Gateway to upgrade to EMBER App Control

PS



PRODUCT CODE	TIMESWITCH	THERMOSTAT	
CWP1E	R17-RF ^{V2}	RFR	with Boost button
CWP1EB	R17-RF ^{V2}	RFRB	with On/Off button
CWP1EC	R17-RF ^{V2}	RFC	with Boost button

2 Zone Wireless Timeswitch Pack

Add a GW04 Gateway to upgrade to EMBER App Control

PS



PRODUCT CODE	PROGRAMMER	THERMOSTATS	
CWP2E	R27-RF ^{V2}	RFR ^{V2}	RFC
CWP2CE	R27-RF ^{V2}	RFR ^{V2}	-
CWP2RE	R27-RF ^{V2}	RFR ^{V2} x 2	-

3 Zone Wireless Timeswitch Pack

Add a GW04 Gateway to upgrade to EMBER App Control

PS



PRODUCT CODE	PROGRAMMER	THERMOSTATS	
CWP3E	R37-RF ^{V2}	RFR ^{V2} x 2	RFC
CWP3CE	R37-RF ^{V2}	RFR ^{V2} x 2	-
CWP3RE	R37-RF ^{V2}	RFR ^{V2} x 3	-

4 Zone Wireless Programmer Pack

Add a GW04 Gateway to upgrade to EMBER App Control

PS



PRODUCT CODE	PROGRAMMER	THERMOSTATS	
CWP4E	R47-RF ^{V2}	RFR ^{V2} x 3	RFC
CWP4CE	R47-RF ^{V2}	RFR ^{V2} x 3	-
CWP4RE	R47-RF ^{V2}	RFR ^{V2} x 4	-

GW04 WiFi Gateway

Used to upgrade your CWP Pack to EMBER App Control

PS



PRODUCT CODE	CONNECTIVITY OPTIONS	FREQUENCY BANDS	
GW04	RF & WiFi Interface	2.4 or 5GHz	
POWER SUPPLY	PORT TYPE	RF RANGE	ACCESSORIES INCLUDED
230Vac ±10%	Micro USB	10m	USB Plug & Cable

RF Heating Control Packs

Y Plan RF Heating Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTATS		WIRING CENTRE
CR22PRF	R27-RF ^{V2}	B322PF	RFR ^{V2}	RFC ^{V2}	WC2
CR28PRF	R27-RF ^{V2}	B328PF	RFR ^{V2}	RFC ^{V2}	WC2

S Plan RF Heating Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS		WIRING CENTRE
CR222PRF	R27-RF ^{V2}	V222P x 2	RFR ^{V2}	RFC ^{V2}	WC2
CR228PRF	R27-RF ^{V2}	V228P x 2	RFR ^{V2}	RFC ^{V2}	WC2

S Plan RF Unvented Heating Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTAT	WIRING CENTRE
CR222PURF	R27-RF ^{V2}	V222P	RFR ^{V2}	WC2
CR228PURF	R27-RF ^{V2}	V228P	RFR ^{V2}	WC2

S Plan RF Heating Control Pack with Hardwired Cylinder Thermostat



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS		WIRING CENTRE
CRF2P-221221	R27-RF ^{V2}	V222P x 2	RFR ^{V2}	WRP	WC2

2 Zone Combi Zoning RF Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS		WIRING CENTRE
CRF2P-222201	R27-RF ^{V2}	V222P x 2	RFR ^{V2} x 2		WC2

3 Zone RF Heating Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS		WIRING CENTRE
CR322PRF	R37-RF ^{V2}	V222P x 3	RFR ^{V2} x 2	RFC ^{V2}	WC2
CR328PRF	R37-RF ^{V2}	V228P x 3	RFR ^{V2} x 2	RFC ^{V2}	WC2



3 Zone RF Unvented Heating Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS	WIRING CENTRE
CR322PURF	R37-RF ^{V2}	V222P x 2	RFR ^{V2} x 2	WC2
CR328PURF	R37-RF ^{V2}	V228P x 2	RFR ^{V2} x 2	WC2

3 Zone RF Heating Control Pack with Hardwired Cylinder Thermostat



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS	WIRING CENTRE
CRF3P-322221	R37-RF ^{V2}	V222P x 3	RFR ^{V2} x 2 WRP	WC2

3 Zone Combi Zoning RF Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS	WIRING CENTRE
CRF3P-323201	R37-RF ^{V2}	V222P x 3	RFR ^{V2} x 3	WC2

4 Zone RF Heating Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS	WIRING CENTRE
CR422PRF	R47-RF ^{V2}	V222P x 4	RFR ^{V2} x 3 RFC ^{V2}	WC2
CR428PRF	R47-RF ^{V2}	V228P x 4	RFR ^{V2} x 3 RFC ^{V2}	WC2

2 Zone Priority Hot Water Control Pack with RF Programmable Thermostats



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS	WIRING CENTRE
C00P-221981	-	V222P x 2	CP4 CP4-HW-OT	WC2

2 Zone Combi Zoning Control Pack with RF Programmable Thermostats



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS	WIRING CENTRE
C00P-222901	-	V222P x 2	CP4 x 2	WC2

TR1 TR2^{V2} RF Mains Switch

Ideal for any installation where its not possible to run cables



PRE-PAIRED
Components



The TR1 TR2^{V2}, 2 Way RF Transceiver Pack is a unique product from EPH Controls, allowing a wireless signal to be sent from one device to the other and back to the original device. This can allow wireless operation of motorised valves which are located in areas where wiring is not possible. This can achieve boiler interlock as well as other applications.

2 Way RF Communication | Meets Part G Building Regulations | Save Time and Materials

RF Mains Switch



PRODUCT CODE	DESCRIPTION	RF FREQUENCY	MOUNTING TYPE
TR1TR2 ^{V2}	RF Mains switch	868MHz	Surface
POWER SUPPLY	CONTACT RATING	SWITCH OUTPUT	RF RANGE
230Vac ±10%	3A 230Vac	SPST Volt Free	30m
BACK PLATE	COMMUNICATION		
6 Pin	A to B or B to A. Independently or Simultaneously		



Example 1

One Way RF Switch (Timeswitch to Boiler - Mains Switching)

In this example, a timeswitch is connected to the TR1.

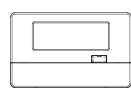
When the timeswitch is turned on an RF signal is sent from the TR1 to the TR2.

This then sends a 230V signal to activate the boiler. (The boiler can also be activated with low voltage switching).

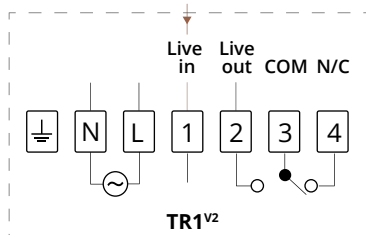


TR1^{V2}

[A] On TR1
When **Live in** receives 230V from the timeswitch, TR1 sends a wireless signal to TR2.



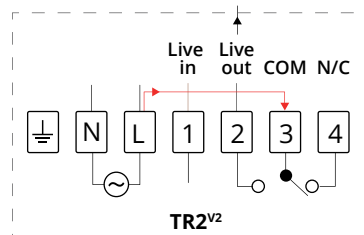
Timeswitch



TR1^{V2}



Boiler



TR2^{V2}



TR2^{V2}

[B] On TR2
The **COM & Live out** contact closes, sending 230V to activate the boiler.

Example 2

Two Way RF Switch (Pump Overrun)

In this example the boiler is remote from the pump. The timeswitch is connected to the TR1. When the timeswitch is turned on an RF signal is sent from TR1 to TR2. The boiler will activate and it will signal the pump to activate. A signal is sent from TR2 to TR1 and the pump activates. When the timeswitch stops calling, the TR1 will signal the TR2 and the boiler will stop. The TR2 will signal the TR1 to keep the pump running until the heat is dissipated.

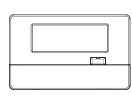
Timeswitch to Boiler



TR1V2

[A] On TR1
When Live in receives 230V from the timeswitch, TR1 sends a wireless signal to TR2.

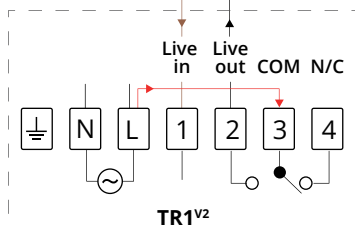
[C] On TR1
The COM & Live out contact closes, sending 230V to activate the pump.



Timeswitch



Pump



Boiler to Pump - Mains Switching

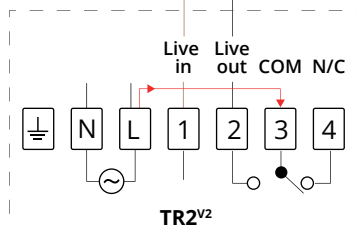


Pump Overrun Boiler



TR2V2

[B] On TR2
The COM & Live out contact closes, sending 230V to activate the boiler. When the boiler turns off, the pump overrun activates, sending 230V to the Live in contact. TR2 then sends a wireless signal to TR1.



Example 3

Two Way RF Switch (Unvented Cylinder)

Part G Compliant

In this example, a timeswitch is connected to the TR1. When the timeswitch is turned on an RF signal is sent from TR1 to TR2. This is wired through the high limit and control stat on the unvented cylinder. The motorised valve is locally wired to the switch live from the unvented cylinder thermostat. The Auxiliary wire from the motorised valve is wired to the TR2. An RF signal is sent from TR2 to TR1 and this switches the boiler.

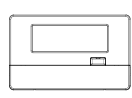
Timeswitch to High Limit Thermostat



TR1V2

[A] On TR1
When Live in receives 230V from the timeswitch, TR1 sends a wireless signal to TR2.

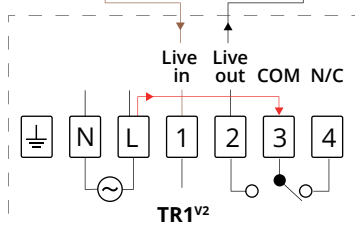
[C] On TR1
The COM & Live out contact closes, sending 230V to activate the boiler.



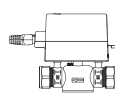
Timeswitch



Boiler



Motorised Valve to Boiler - Mains Switching



Motorised Valve Auxiliary Switch

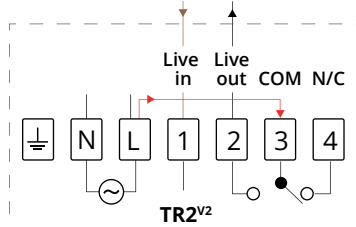


High Limit Thermostat



TR2V2

[B] On TR2
The COM & Live out contact closes, sending 230V to the high limit thermostat, powering the brown cable of the motorised valve. When the motorised valve auxiliary switch engages, it sends 230V to the Live in contact. TR2 then sends a wireless signal to TR1.



Example 4

Two Way RF Switch (Boiler Interlock)

In this example, a timeswitch is connected to the TR1. When the timeswitch is turned on, an RF signal is sent from TR1 to TR2. This then powers the zone valve. When the auxiliary switch on the zone valve closes, 230V is sent to L in. An RF signal is then sent from TR2 to TR1 and this switches the boiler through a volt free contact.

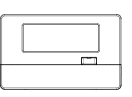
Timeswitch to Motorised Valve



TR1V2

[A] On TR1
When Live in receives 230V from the timeswitch, TR1 sends a wireless signal to TR2.

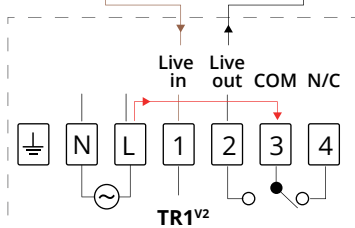
[C] On TR1
The COM & Live out contact closes, sending 230V to activate the boiler.



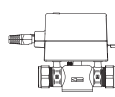
Timeswitch



Boiler



Motorised Valve to Boiler - Mains Switching

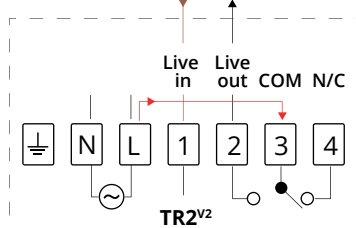


Auxiliary Switch Valve



TR2V2

[B] On TR2
The COM & Live out contact closes, sending 230V to activate the motorised valve. When the valve auxiliary switch engages, it sends 230V to the Live in contact. TR2 then sends a wireless signal to TR1.



RF Room & Cylinder Thermostats

RF Thermostat & Receiver



RFRA^{V2} RF1C

ErP Class I = 1%



PRODUCT CODE	COMPONENTS	RF RANGE	INTERNAL TEMP SENSOR
CP3 ^{V2}	RFRA ^{V2} & RF1C	30m	NTC100K
THERMOSTAT	POWER SUPPLY	TEMP RANGE	FEATURES
RFRA ^{V2}	2 x AAA (incl.)	5 ... 35°C	On/Off Button
RECEIVER	POWER SUPPLY	CONTACT RATING	SWITCH OUTPUT
RF1C	230Vac ±10%	3A 230Vac	SPDT Volt Free

RF Cylinder Thermostat & Receiver



RFCA RF1C



PRODUCT CODE	COMPONENTS	RF RANGE	EXTERNAL TEMP SENSOR
RFCP ^{V2}	RFCA & RF1C	30m	NTC10K (incl.)
THERMOSTAT	POWER SUPPLY	TEMP RANGE	FEATURES
RFCA	2 x AAA (incl.)	10 ... 90°C	On/Off Button
RECEIVER	POWER SUPPLY	CONTACT RATING	SWITCH OUTPUT
RF1C	230Vac ±10%	3A 230Vac	SPDT Volt Free

RF Programmable Cylinder Thermostat & Receiver

Add a GW04 Gateway to upgrade to EMBER App Control (see page 22) **TS**



RFRP-HW-OT RF1A-OT

ErP Class V = 3%,

* ErP Class VIII = 5%

* (When 3 no. thermostats are fitted in conjunction with a modulating boiler.)



PRODUCT CODE	COMPONENTS	RF RANGE	EXTERNAL TEMP SENSOR
CP4-HW-OT	RFRP-HW-OT & RF1A-OT	30m	NTC10K (incl.)
THERMOSTAT	POWER SUPPLY	TEMP RANGE	FEATURES
RFRP-HW-OT	2 x AA (incl.)	10 ... 90°C	Optimum Start & TPI
RECEIVER	POWER SUPPLY	CONTACT RATING	SWITCH OUTPUT
RF1A-OT	230Vac ±10%	10(3)A 230Vac	SPDT Volt Free

Immersion Controller – Mains powered



PRODUCT CODE	DIMENSION	BOOST PERIOD	PIN LOCK
IMC	170 x 116 x 63 mm	30min, 1h, 2h & 3h	30mins / 1hr / 2hr / 3hr

POWER SUPPLY	OPERATING PERIODS	CONTACT RATING	SWITCH OUTPUT
230Vac ± 10%	3 per day	16A 230Vac	1

Electronic Boost Timer – Mains powered



PRODUCT CODE	MAX LOAD	BOOST PERIOD
BST3	3 Kw	15min, 30min, 1hr, 2hr & 3hr

POWER SUPPLY	CONTACT RATING
230Vac ± 10%	13A 230Vac

Cylinder / Room Thermostat – Mains powered



Cylinder or Room thermostat with External Temp Sensor NTC10K-Plug (incl.)



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	SWITCH OUTPUT
CDC2	230Vac ± 10%	10(3)A 230Vac	SPDT Volt Free

PARAMETER	TEMP RANGE	SWITCHING DIFFERENTIAL	FEATURES
Cylinder	5 ... 90°C	0 ... 20°C	On/Off Button
Room	5 ... 35°C	0 ... 1°C	Delay Start and TPI

ACCESSORIES CODE	DESCRIPTION
NTC Housing	Temperature Sensor Housing

Cylinder Thermostat with High Limit – Mains powered



Built-in Legionaires function



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	EXTERNAL TEMP SENSOR
EDBS	230Vac ± 10%	10A 230Vac	NTC10K - Ferrule x 2

POWER SUPPLY	TEMP RANGE	SWITCHING DIFFERENTIAL	HIGH LIMIT CUT OUT
230Vac ± 10%	10 ... 90°C	0 ... 20°C	85°C

Motorised Valves

EPH Controls' range of motorised valves offer market leading functionality. Two port motorised valves come with a detachable actuator, detachable power cable and a power on light. In addition, all component parts of the actuator, are sourced from the market leaders in their fields in USA and Europe, making the DETACH Pro range of valves a must for all home heating installations.

2 Port Valve - Compression

DETACH PRO ►



V22_P c/w
Light
Detach cable
Detach button

DS22_P c/w
Light
Detach cable

V22_PC c/w
Fixed Cable
Detach button

PRODUCT CODE	CONNECTION TYPE	FLOW RATE	MAX. CLOSE OFF PRESSURE	BI-DIRECTIONAL FLOW	INDICATE LIGHT
V222P	22mm compression	4.6 kvs	1.0 bar	No	Yes
V228P	28mm compression	6.8 kvs	0.6 bar	No	Yes
DS222P	22mm compression	4.6 kvs	1.0 bar	Yes	Yes
DS228P	28mm compression	6.8 kvs	0.6 bar	Yes	Yes
V222PC	22mm compression	4.6 kvs	1.0 bar	No	No
V228PC	28mm compression	6.8 kvs	0.6 bar	No	No



CONTACT RATING	MAX AMBIENT TEMP	MAX FLUID TEMP
11(3)A 230Vac	50°C	88°C

2 Port Valve - Female BSP

DETACH PRO ►



V22_FP c/w
Light
Detach cable
Detach button

PRODUCT CODE	CONNECTION TYPE	FLOW RATE	MAX. CLOSE OFF PRESSURE	BI-DIRECTIONAL FLOW	INDICATE LIGHT
V222FP	3/4" female BSP	4.6 kvs	1.0 bar	No	Yes
V228FP	1" female BSP	6.8 kvs	0.6 bar	No	Yes
V232FP	1 1/4" female BSP	8.0 kvs	0.3 bar	No	Yes



CONTACT RATING	MAX AMBIENT TEMP	MAX FLUID TEMP
11(3)A 230Vac	50°C	88°C

2 Port Valve - Compression - Normally Open

DETACH PRO ►



PRODUCT CODE	CONNECTION TYPE	FLOW RATE	MAX. CLOSE OFF PRESSURE	BI-DIRECTIONAL FLOW	INDICATE LIGHT
DS222PNO	22mm compression	4.6 kvs	1.0 bar	Yes	Yes
DS228PNO	22mm compression	6.8 kvs	0.6 bar	Yes	Yes



CONTACT RATING	MAX AMBIENT TEMP	MAX FLUID TEMP
11(3)A 230Vac	50°C	88°C

3 Port Diverter Valve



PRODUCT CODE	CONNECTION TYPE	FLOW RATE	MAX. CLOSE OFF PRESSURE	INDICATE LIGHT
B322DIV	22mm compression	7.1 kvs	1.6 bar (A) 1.2 bar (B)	No
B328DIV	28mm Compression	7.6 kvs	1.2 bar (A) 0.8 bar (B)	No
CONTACT RATING		MAX AMBIENT TEMP	MAX FLUID TEMP	
5(2)A 230Vac		50 °C	88 °C	

3 Port Mid Position Valve



PRODUCT CODE	CONNECTION TYPE	FLOW RATE	MAX. CLOSE OFF PRESSURE	INDICATE LIGHT
B322PF	22mm Compression	7.1 kvs	1.6 bar (A) 1.2 bar (B)	No
B328PF	28mm Compression	7.6 kvs	1.2 bar (A) 0.8 bar (B)	No
CONTACT RATING		MAX AMBIENT TEMP	MAX FLUID TEMP	
5(2)A 230Vac		50 °C	88 °C	

Actuators for EPH Valves

DETACH PRO ►



A1P c/w
Light
Detach cable
Detach button

PRODUCT CODE	CONTACT RATING	TYPE	COMPATIBLE WITH	INDICATE LIGHT
A1P	11(3)A 230Vac	2 Port	V22_D / V22_P	Yes
D1PF	5(2)A 230Vac	3 Port	B322P / B328P B322PF / B328PF	No

Actuators for Non-EPH Valves

DETACH PRO ►



DS1P & M1P c/w
Light
Detach cable

* Note: The DS1P replaces most Sunvic SZM models, except those with a detach button and no mounting screws.



D1PF c/w
Detach cable

Drayton® is a registered trademark of Schneider Electric Controls UK Limited & has no connection with EPH Controls.

PRODUCT CODE	CONTACT RATING	TYPE	COMPATIBLE WITH NON-EPH VALVES	INDICATE LIGHT
A1P	11(3)A 230Vac	2 Port	Horstmann F222 / F228	Yes
C1P	11(3)A 230Vac	2 Port	Honeywell V404 Horstmann Z222 / Z228	Yes
DS1P	11(3)A 230Vac	2 Port	Danfoss HP22B / HP28B / HP15B Danfoss HP1.75B / HP1.0B Sunvic SZ / SZM / SM *	Yes
DT1P	11(3)A 230Vac	2 Port	Drayton® ZA5/679-2 / ZA6/779-2	Yes
M1P	11(3)A 230Vac	2 Port	Myson MPE22/28/MCZV2 3/4 / V21	Yes
D1PF	5(2)A 230Vac	3 Port	Honeywell V407 Horstmann Z322 / Z328	No
MAX AMBIENT TEMP		MAX FLUID TEMP		
50 °C		88 °C		



Accessories



Cable harness to convert
Detach actuator to
Detach Pro actuator.



PRODUCT CODE	CABLE HARNESS FOR
CH25	2 port 5 wire actuators
CH35	3 port 5 wire actuators
PRODUCT CODE	DESCRIPTION
DP2.5M	2.5 Metre Detach cable for 2 port 5 wire actuators
DP5M	5 Metre Detach cable for 2 port 5 wire actuators

Underfloor Controls 230V

Wiring Centre 5 Zone 230V



PRODUCT CODE	UFH-RAD/HW SWITCHES	NO. OF ZONES	TIME INPUTS
UFH5	2	5	3
POWER SUPPLY	CONTACT RATING	HEAT ENABLE OUTPUT	UFH PUMP OUTPUT
230Vac ±10%	3(1)A	Volt Free	230V~

Wiring Centre 10 Zone 230V



PRODUCT CODE	UFH-RAD/HW SWITCHES	NO. OF ZONES	TIME INPUTS
UFH10	2	10	4
POWER SUPPLY	CONTACT RATING	HEAT ENABLE OUTPUT	UFH PUMP OUTPUT
230Vac ±10%	3(1)A	Volt Free	230V~

Dial Thermostat - Battery Powered



ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
HRT	2 x AA Batteries (Incl)	8(3)A 230Vac	5 ... 35°C
SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Surface	0 ... 1.0°C	Delay Start / TPI

Dial Thermostat with Setback Function - Mains powered



ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
HDT	230Vac ± 10%	7A 230Vac	5 ... 35°C
SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPST Volt Free	Surface	0 ... 1.0°C	Delay Start / TPI

Recessed Thermostat with Setback Function – Mains powered



ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
RDT	230Vac ± 10%	10(3)A 230Vac	5 ... 35°C

SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Recessed	0 ... 1.0°C	Delay Start / TPI / Setback Function

Recessed Programmable Thermostat – Mains powered



ErP Class IV = 2%

Compatible with 1 External Temp Sensor

Accessories: NTC10K-Ferrule & NTC Housing



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
RDTP	230Vac ± 10%	10(3)A 230Vac	5 ... 35°C

SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Recessed	0... 1.0°C	Optimum Start / TPI

Accessories



BOX QTY
250

PRODUCT CODE	DESCRIPTION	FOR USE WITH
NTC10K-Ferrule	Temp Sensor, 2m	RDTP



BOX QTY
100

PRODUCT CODE	DESCRIPTION	FOR USE WITH
NTC Housing	Temp Sensor Housing	NTC10K-Ferrule / Plug

Surface Mounted Thermostat – Battery powered



ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
CRT2	2 x AA Batteries (Incl)	8(3)A 230Vac	5 ... 35°C

SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Surface	0 ... 1.0°C	Delay Start / TPI

Underfloor Controls 230V Continued

Surface Mounted Thermostat - Mains powered



ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
CDT2	230Vac ± 10%	7(3)A 230Vac	5 ... 35°C

SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Surface	0 ... 1.0°C	Delay Start / TPI

Surface Mounted Programmable Thermostat - Battery powered



ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
CRTP2	2 x AA Batteries (Incl)	8(3)A 230Vac	5 ... 35°C

SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Surface	0 ... 1.0°C	Optimum Start / TPI

Surface Mounted Programmable Thermostat - Mains powered



ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
CDTP2	230Vac ± 10%	7(3)A 230Vac	5 ... 35°C

SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Surface	0 ... 1.0°C	Optimum Start / TPI

Thermal Actuator



PRODUCT CODE	ACTUATOR TYPE	RUNNING TIME	AUXILIARY SWITCH
TA230	Normally Closed (Open)	3.5 min	-

POWER SUPPLY	MAX. STROKE	SPRING PRESSURE	VALVE CONNECTION
230Vac ±10%	3.5mm	125N	M30 x 1.5

Wiring Centre 10 Zone 24V



24Vac and 230Vac power supply required



PRODUCT CODE	UFH/RAD+HW SWITCHES	NO. OF ZONES	TIME INPUTS
UFH10-24	2	10	4

POWER SUPPLY	CONTACT RATING	HEAT ENABLE OUTPUT	UFH PUMP OUTPUT
24Vac	3(1)A	Volt Free	230V~

For use with RDTP-24 and CDT2-24 thermostats TA230 actuators only

Transformer



PRODUCT CODE	POWER SUPPLY	OUTPUT	MOUNTING
KBE6023T	230Vac	24Vac	Surface / Din Rail

Recessed Programmable Thermostat



ErP Class IV = 2%
Compatible with 1 External Temp Sensor
Accessories: NTC10K-Ferrule & NTC Housing



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
RDTP-24	24Vac	10(3)A 230Vac	5 ... 35°C

SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Recessed	0... 1.0°C	Optimum Start / TPI

Surface Mounted Thermostat



ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
CDT2-24	24Vac	10(3)A 230Vac	5 ... 35°C

SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Surface	0... 1.0°C	Delay Start / TPI

Thermal Actuator



PRODUCT CODE	ACTUATOR TYPE	RUNNING TIME	AUXILIARY SWITCH
TA230	Normally Closed (Open)	3.5 min	-

POWER SUPPLY	MAX. STROKE	SPRING PRESSURE	VALVE CONNECTION
230Vac ±10%	3.5mm	125N	M30 x 1.5

Programmable

1 Zone Timeswitch



A17



R17V2



PRODUCT CODE	NUMBER OF ZONES	BOOST PERIOD	SCREEN DIMENSIONS
A17	1	1h, 2h, 3h	48 x 23mm
R17V2	1	30min, 1h, 2h, 3h	100 x 35mm

POWER SUPPLY	BACKPLATE	CONTACT RATING	SWITCH OUTPUT
230Vac ±10%	6 Pin	3(1)A 230Vac	SPDT Volt Free

2 Zone Programmer



A27-HW



R27V2



R27-VFV2



PRODUCT CODE	NUMBER OF ZONES	BOOST PERIOD	SCREEN DIMENSIONS
A27-HW	2	1h, 2h, 3h	48 x 23mm
R27V2	2	30min, 1h, 2h, 3h	100 x 35mm

POWER SUPPLY	BACKPLATE	CONTACT RATING	SWITCH OUTPUT
230Vac ±10%	6 Pin	3(1)A 230Vac	SPDT 230Vac

PRODUCT CODE	NUMBER OF ZONES	BOOST PERIOD	SCREEN DIMENSIONS
R27-VFV2	2	30min, 1h, 2h, 3h	100 x 35mm

POWER SUPPLY	BACKPLATE	CONTACT RATING	SWITCH OUTPUT
230Vac ±10%	6 Pin	3(1)A 230Vac	SPST Volt Free

3 Zone Programmer



PRODUCT CODE	NUMBER OF ZONES	BOOST PERIOD	SCREEN DIMENSIONS
R37V2	3	30min, 1h, 2h, 3h	100 x 35mm

POWER SUPPLY	BACKPLATE	CONTACT RATING	SWITCH OUTPUT
230Vac ±10%	8 Pin	3(1)A 230Vac	SPDT 230Vac

4 Zone Programmer



PRODUCT CODE	NUMBER OF ZONES	BOOST PERIOD	SCREEN DIMENSIONS
R47V2	4	30min, 1h, 2h, 3h	100 x 35mm

POWER SUPPLY	BACKPLATE	CONTACT RATING	SWITCH OUTPUT
230Vac ±10%	8 Pin	3(1)A 230Vac	SPST 230Vac

Timeswitch / Programmer Compatibility Guide

EPH Controls range of hardwired programmers offer a comprehensive solution for all zoning requirements with models available from 1 to 4 channels. With market leading functionality such as auto summer / winter time, boost, advance and service interval, these programmers offer simple design, functionality and are ideally suited to householders.

TIMESWITCHES							
SUPPLIER	PRODUCT	TIME SWITCH	DAYS	MECH	ELEC	SERVICE TIMER	EPH REPLACEMENT
DANFOSS	GP103	•	1	•			A17 / R17 ^{v2}
DANFOSS	GP103E5	•	5/2		•		A17 / R17 ^{v2}
DANFOSS	GP103E7	•	7		•		A17 / R17 ^{v2}
DANFOSS	TS715	•	7		•		A17 / R17 ^{v2}
DANFOSS	TS715Si	•	7		•	•	A17 / R17 ^{v2}
DANFOSS	TS975	•	7		•		A17 / R17 ^{v2}
DANFOSS	SET 1E	•	1		•		A17 / R17 ^{v2}
EPH	A17	•	1-5/2-7		•	•	A17 / R17 ^{v2}
EPH	R17 ^{v2}	•	1-5/2-7		•	•	A17 / R17 ^{v2}
HONEYWELL	ST6100A1001	•	1		•		A17 / R17 ^{v2}
HONEYWELL	ST6100C1009	•	7		•		A17 / R17 ^{v2}
HONEYWELL	ST6100S1000	•	1		•	•	A17 / R17 ^{v2}
HONEYWELL	ST9100A1008	•	1		•		A17 / R17 ^{v2}
HONEYWELL	ST9100C1006	•	7		•		A17 / R17 ^{v2}
HONEYWELL	ST9100S1007	•	1		•	•	A17 / R17 ^{v2}
HORSTMANN	425 CORONET	•	1	•			A17 / R17 ^{v2}
HORSTMANN	H11	•	1		•		A17 / R17 ^{v2}
HORSTMANN	H17	•	7		•		A17 / R17 ^{v2}
HORSTMANN	H11XL	•	1		•		A17 / R17 ^{v2}
HORSTMANN	H17XL	•	7		•		A17 / R17 ^{v2}
HORSTMANN	C11	•	1	•	•	•	A17 / R17 ^{v2}
HORSTMANN	C17	•	7	•		•	A17 / R17 ^{v2}
INVENSYS	TEMPUS 1	•	5/2		•		A17 / R17 ^{v2}
INVENSYS	TEMPUS 2	•	7		•		A17 / R17 ^{v2}
INVENSYS	LP111	•	1		•		A17 / R17 ^{v2}
INVENSYS	LP711	•	7		•		A17 / R17 ^{v2}
INVENSYS	LP111 Si	•	1		•	•	A17 / R17 ^{v2}
INVENSYS	LP711 Si	•	7		•	•	A17 / R17 ^{v2}
INVENSYS	SW.MASTER 3000	•	1	•			A17 / R17 ^{v2}
INVENSYS	SM1	•	1	•			A17 / R17 ^{v2}
POTTERTON	EP4000	•	1		•		A17 / R17 ^{v2}
POTTERTON	EP4002	•	5/2		•		A17 / R17 ^{v2}
POTTERTON	EP5002	•	7		•		A17 / R17 ^{v2}
POTTERTON	MYSON MEP1C	•			•		A17 / R17 ^{v2}
SIEMENS	RWB30E	•	1	•			A17 / R17 ^{v2}
SIEMENS	RWB27	•	7		•		A17 / R17 ^{v2}
SIEMENS	RWB7	•	7		•		A17 / R17 ^{v2}
SUNVIC	SELECT 107	•	7		•		A17 / R17 ^{v2}
SUNVIC	SIMPLEX 100	•	1		•	•	A17 / R17 ^{v2}



A17



A27-HW



R17^{v2}



R27^{v2}

PROGRAMMERS

SUPPLIER	PRODUCT	MINI PROG	FULL PROG	DAYS	MECH	ELEC	SERVICE TIMER	EPH REPLACEMENT
DANFOSS	GP102	•		1	•			A27-HW / R27 ^{v2}
DANFOSS	GP102E5	•		5/2		•		A27-HW / R27 ^{v2}
DANFOSS	GP102E7	•		7		•		A27-HW / R27 ^{v2}
DANFOSS	CP715		•	7		•		A27-HW / R27 ^{v2}
DANFOSS	FP715		•	7		•		A27-HW / R27 ^{v2}
DANFOSS	CP715 Si		•	7		•	•	A27-HW / R27 ^{v2}
DANFOSS	FP715 Si		•	7		•	•	A27-HW / R27 ^{v2}
DANFOSS	MK3 3060		•	1	•			A27-HW / R27 ^{v2}
DANFOSS	MK3 4033		•	1	•			A27-HW / R27 ^{v2}
DANFOSS	FP975		•	7		•		A27-HW / R27 ^{v2}
DANFOSS	SET 2E	•		1		•		A27-HW / R27 ^{v2}
DANFOSS	SET 3E		•	1		•		A27-HW / R27 ^{v2}
DANFOSS	SET 3M		•	1	•			A27-HW / R27 ^{v2}
EPH	A27-HW		•	1-5/2-7		•	•	A27-HW / R27 ^{v2}
EPH	R27 ^{v2}		•	1-5/2-7		•	•	A27-HW / R27 ^{v2}
HONEYWELL	ST6200A1009	•		1		•		A27-HW / R27 ^{v2}
HONEYWELL	ST6300A1007		•			•		A27-HW / R27 ^{v2}
HONEYWELL	ST6300A1015		•	1		•		A27-HW / R27 ^{v2}
HONEYWELL	ST6400A1005		•	1		•		A27-HW / R27 ^{v2}
HONEYWELL	ST6400C1003		•	7		•		A27-HW / R27 ^{v2}
HONEYWELL	ST6400C1052		•	7		•		A27-HW / R27 ^{v2}
HONEYWELL	ST6400S1004		•	1		•	•	A27-HW / R27 ^{v2}
HONEYWELL	ST699B1002		•	1		•		A27-HW / R27 ^{v2}
HONEYWELL	ST799A1003		•	7		•		A27-HW / R27 ^{v2}
HONEYWELL	ST9400A1002		•	1		•		A27-HW / R27 ^{v2}
HONEYWELL	ST9400C1000		•	7		•		A27-HW / R27 ^{v2}
HONEYWELL	ST9400S1001		•	1		•	•	A27-HW / R27 ^{v2}
HONEYWELL	ST9500C1015		•	7		•		A27-HW / R27 ^{v2}
HORSTMANN	425 DIADEM		•	1	•			A27-HW / R27 ^{v2}
HORSTMANN	425 TIARA		•	1	•			A27-HW / R27 ^{v2}
HORSTMANN	H27Z		2	7		•		A27-HW / R27 ^{v2}
HORSTMANN	H21		•	1		•		A27-HW / R27 ^{v2}
HORSTMANN	H27		•	7		•		A27-HW / R27 ^{v2}
HORSTMANN	H21XL		•	1		•		A27-HW / R27 ^{v2}
HORSTMANN	H27XL		•	7		•		A27-HW / R27 ^{v2}
HORSTMANN	C21		•	1		•	•	A27-HW / R27 ^{v2}
HORSTMANN	C27		•	7		•	•	A27-HW / R27 ^{v2}
INVENSYS	TEMPUS 6		•	5/2		•		A27-HW / R27 ^{v2}
INVENSYS	TEMPUS 7		•	7		•		A27-HW / R27 ^{v2}
INVENSYS	LP112		•	1		•		A27-HW / R27 ^{v2}
INVENSYS	LP241		•	1		•		A27-HW / R27 ^{v2}
INVENSYS	LP522		•	5/2		•		A27-HW / R27 ^{v2}
INVENSYS	LP722		•	7		•		A27-HW / R27 ^{v2}
INVENSYS	LP112 Si		•	1		•	•	A27-HW / R27 ^{v2}
INVENSYS	LP241 Si		•	1		•	•	A27-HW / R27 ^{v2}
INVENSYS	LP522 Si		•	5/2		•	•	A27-HW / R27 ^{v2}
INVENSYS	LP722 Si		•	7		•	•	A27-HW / R27 ^{v2}
INVENSYS	SW.MASTER 400	•		1	•			A27-HW / R27 ^{v2}
INVENSYS	SW.MASTER 600		•	1	•			A27-HW / R27 ^{v2}
INVENSYS	SW.MASTER 805		•		•			A27-HW / R27 ^{v2}
INVENSYS	SM2		•	1	•			A27-HW / R27 ^{v2}
POTTERTON	EP6002		•	1		•		A27-HW / R27 ^{v2}
POTTERTON	EP2000		•	7		•		A27-HW / R27 ^{v2}
POTTERTON	EP2002		•	1		•		A27-HW / R27 ^{v2}
POTTERTON	EP3002		•	5/2		•		A27-HW / R27 ^{v2}
POTTERTON	MYSON MEP2C		•	7		•		A27-HW / R27 ^{v2}
SIEMENS	RWB2E		•		•			A27-HW / R27 ^{v2}
SIEMENS	RWB29		•	1		•		A27-HW / R27 ^{v2}
SIEMENS	RWB9		•	7		•		A27-HW / R27 ^{v2}
SUNVIC	SELECT 207		•	7		•		A27-HW / R27 ^{v2}
SUNVIC	SIMPLEX 200		•	1		•	•	A27-HW / R27 ^{v2}

Programmable Room Thermostats

Recessed Programmable Thermostat - Mains powered



ErP Class IV = 2%
Compatible with 1 External Temp Sensor
Accessories: NTC10K-Ferrule & NTC Housing



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
RDTP	230Vac ± 10%	10(3)A 230Vac	5 ... 35°C

SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Recessed	0... 1.0°C	Optimum Start / TPI

Surface Mounted Programmable Thermostat - Mains powered



ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
CDTP2	230Vac ± 10%	7(3)A 230Vac	5 ... 35°C

SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Surface	0 ... 1.0°C	Optimum Start / TPI



ErP Class V= 3%
Industry Standard Backplate



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
CP4M	230Vac ± 10%	7A 230Vac	5 ... 35°C

SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Surface	0 ... 1.0°C	Optimum Start / TPI

Surface Mounted Programmable Thermostat - Battery powered



ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
CRTP2	2 x AA Batteries (Incl)	8(3)A 230Vac	5 ... 35°C

SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Surface	0 ... 1.0°C	Optimum Start / TPI



ErP Class V= 3%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
CP4B	2 x AA Batteries (Incl)	8(3)A 230Vac	5 ... 35°C

SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Surface	0 ... 1.0°C	Optimum Start / TPI

Non-Programmable Room Thermostats

Dial Thermostat - Mains powered



ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
HRT	2 x AA Batteries (Incl)	8(3)A 230Vac	5 ... 35°C
SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Surface	0 ... 1.0°C	Delay Start / TPI

Dial Thermostat with Setback Function - Mains powered



ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
HDT	230Vac ± 10%	7A 230Vac	5 ... 35°C
SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPST Volt Free	Surface	0 ... 1.0°C	Delay Start / TPI / Setback Function

Recessed Thermostat with Setback Function - Mains powered



ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
RDT	230Vac ± 10%	10(3)A 230Vac	5 ... 35°C
SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Recessed	0 ... 1.0°C	Delay Start / TPI / Setback Function

Surface Mounted Thermostat - Mains powered



ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
CDT2	230Vac ± 10%	7(3)A 230Vac	5-35°C
CDT2-24	24Vac	5(1)A 24Vac	5-35°C
SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Surface	0 ... 1.0°C	Delay Start / TPI

Surface Mounted Thermostat - Battery powered



ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
CRT2	2 x AA Batteries (Incl.)	8(3)A 230Vac	5-35°C
SWITCH OUTPUT	MOUNTING TYPE	SWITCHING DIFFERENTIAL	FEATURES
SPDT Volt Free	Surface	0 ... 1.0°C	Delay Start / TPI

Mechanical Room Thermostats

Thermostat



ErP Class I - 1%
*CM2 Combi Stat



PRODUCT CODE	CONTACT RATING	INDICATOR LIGHT	ANTICIPATOR
CM2*	10(3)A 230 & 24Vac	-	-
CM3	10(3)A 230Vac	Yes	Yes
CM3 - 24	12(4)A 24Vac	Yes	Yes

SWITCH OUTPUT	TEMPERATURE RANGE	SWITCHING DIFFERENTIAL	IP RATING
SPDT	5 ... 35°C Limitable	±1°C	IP20

Frost Thermostat



ErP Class I - 1%



PRODUCT CODE	CONTACT RATING	INDICATOR LIGHT
CMF	10(3)A 230Vac	Yes

SWITCH OUTPUT	TEMPERATURE RANGE	SWITCHING DIFFERENTIAL	IP RATING
SPDT	-5 ... 15°C Limitable	±1°C	IP20

Tamperproof Thermostat



ErP Class I - 1%



PRODUCT CODE	CONTACT RATING	INDICATOR LIGHT
CMT	10(3)A 230 & 24Vac	-

SWITCH OUTPUT	TEMPERATURE RANGE	SWITCHING DIFFERENTIAL	IP RATING
SPDT	5 ... 35°C	±1°C	IP20

Thermostat with On/Off Switch



ErP Class I - 1%



PRODUCT CODE	CONTACT RATING	INDICATOR LIGHT	ON/OFF SWITCH
CM2S	10(3)A 230 & 24Vac	-	Yes
CM3S	10(3)A 230Vac	Yes	Yes

SWITCH OUTPUT	TEMPERATURE RANGE	SWITCHING DIFFERENTIAL	IP RATING
SPDT	10 ... 35°C Limitable	±1°C	IP20

Mechanical Pipe / Cylinder / Frost Thermostats

Pipe / Cylinder Thermostat



PRODUCT CODE	SETPOINT ADJUSTMENT	TEMP RANGE	IP RATING
WRP	External	0 ... 90 °C	IP20
WRP-TP	Internal (Tamperproof)	0 ... 90 °C	IP20
SWITCH OUTPUT	CONTACT RATING	SWITCHING DIFFERENTIAL	SENSOR TYPE
SPDT Volt Free	16(4)A 230Vac	±5 °C	Gas filled

Immersion Thermostat



PRODUCT CODE	SETPOINT ADJUSTMENT	TEMP RANGE	IP RATING
WRP-IM	External	0 ... 90 °C	IP20
WRP-IM-TP	Internal (Tamperproof)	0 ... 90 °C	IP20
SWITCH OUTPUT	CONTACT RATING	SWITCHING DIFFERENTIAL	SENSOR TYPE
SPDT Volt Free	16(4)A 230Vac	±5 °C	Gas filled

Dual Thermostat with Manual Reset



PRODUCT CODE	SETPOINT ADJUSTMENT	TEMP RANGE	HIGH LIMIT
DBS	External	0 ... 90 °C	110 °C
SWITCH OUTPUT	CONTACT RATING	SWITCHING DIFFERENTIAL	SENSOR TYPE
SPDT Volt Free	16(4)A 230Vac	6±2 °C	Liquid filled

Outside Frost Thermostat



PRODUCT CODE	SETPOINT ADJUSTMENT	TEMP RANGE	IP RATING
C10C2RIYS1	Internal	-35 °C ... 20 °C	IP65
SWITCH OUTPUT	CONTACT RATING	SWITCHING DIFFERENTIAL	SENSOR TYPE
SPDT Volt Free	16(4)A 230Vac	±2 °C	Liquid filled

Frost Thermostat Controller



PRODUCT CODE	DESCRIPTION	CONTACT RATING	SWITCH OUTPUT
EPH-FSC	Frost stat controller	8A 230Vac	SPDT Volt Free

Saves energy by running the circulating pump without firing the boiler when the outside frost thermostat calls for heat.



Choose your control pack
by scanning this QR code



Introducing **2 Zone New build Heating Control Packs**

NEW BUILD PACK C00P-222A01



2 x CP4M

Mains Operated
Programmable Thermostats



2 x V222P

2 Port 22mm
Motorised Valves



1 x WC2

12 Way
Wiring Centre

NEW BUILD PACK C00P-222B01



2 x CP4B

Battery Powered
Programmable Thermostats



2 x V222P

2 Port 22mm
Motorised Valves



1 x WC2

12 Way
Wiring Centre



When used with OpenTherm®



Standard installation connected via TPi

Create control packs to suit your own specific requirements

Hardwired Control Pack Coding System

CONTROL PACK	PROGRAMMER		MOTORISED VALVES		ROOM STATS		CYLINDER STATS	WIRING CENTRE
CODE	TYPE	-	QTY	MODEL	QTY	MODEL	MODEL	MODEL
C0	0P = None	-	0 = 0	0 = None	0 = 0	0 = None	0 = None	0 = None
C	A1P = A17	-	1 = 1	1 = V221P	1 = 1	1 = RDTP	1 = WRP	1 = WC2
C	A2P = A27-HW	-	2 = 2	2 = V222P	2 = 2	2 = CM2	2 = CDC2	2 = WC3
CR	1P = R17	-	3 = 3	3 = V228P	3 = 3	3 = CM3	3 = WRP-IM	3 = WCA
CR	2P = R27	-	4 = 4	4 = V222FP	4 = 4	4 = CDT2	4 = WP-IM-TP	
CR	3P = R37	-		5 = V228FP		5 = CMT	5 = WRP-TP	
CR	4P = R47	-		6 = B322PF		6 = CRT2	6 = DBS	
				7 = B328PF		7 = CDTP2	7 = EDBS	
				8 = DS222P		8 = CRTP2		
				9 = V222PC		9 = CP4		
				A = DS228P		A = CP4M		
						B = CP4B		
						C = HRT		
						D = HDT		
						E = RDT		
						F = CP4v2		
						G = CP4D		

RF Control Pack Coding System

CONTROL PACK	PROGRAMMER		MOTORISED VALVES		ROOM STATS		CYLINDER STATS	WIRING CENTRE
CODE	TYPE	-	QTY	MODEL	QTY	MODEL	MODEL	MODEL
C0	0P = None	-	0 = 0	0 = None	0 = 0	0 = None	0 = None	0 = None
CRF	1P = R17-RFv2	-	1 = 1	1 = V221P	1 = 1	1 = HDT-RF	1 = RFC	1 = WC2
CRF	2P = R27-RFv2	-	2 = 2	2 = V222P	2 = 2	2 = RFR	2 = WRP	2 = WC3
CRF	3P = R37-RFv2	-	3 = 3	3 = V228P	3 = 3	3 = CM2	3 = WRP-IM	3 = WCA
CRF	4P = R47-RFv2	-	4 = 4	4 = V222FP	4 = 4	4 = CM3	4 = WP-IM-TP	
				5 = V228FP		5 = RFRB	5 = WRP-TP	
				6 = B322PF		6 = CDT2-RF	6 = DBS	
				7 = B328PF		7 = CRT2-RF	7 = EDBS	
				8 = DS222P		8 = RDT-RF	8 = CP4-HW-OT	
				9 = V222PC		9 = CP4	9 = CDC2	
				A = DS228P		A = CP4 ^{v2}		
						B = CP4D		
						C = RFRB-TW		
						D = RFRB-TB		
						E = RDT-RF-TW		
						F = RDT-RF-TB		

Hardwired Control Packs

Y Plan Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTATS		WIRING CENTRE
CA22P	A27-HW	B322PF	CM2	WRP	WC2
CA28P	A27-HW	B328PF	CM2	WRP	WC2

PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTATS		WIRING CENTRE
CR22P	R27 ^{V2}	B322PF	CM2	WRP	WC2
CR28P	R27 ^{V2}	B328PF	CM2	WRP	WC2



1 Zone Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS	WIRING CENTRE
CR1P-222101	R17 ^{V2}	V222P x 2	RDTP x 2	WC2
CR1P-282301	R17 ^{V2}	DS222P x 2	CM3 x 2	WC2
CR1P-231901 (CP-GE03)	R17 ^{V2}	V228P	CP4	WC2



S Plan Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS		WIRING CENTRE
CA222P	A27-HW	V222P x 2	CM2	WRP	WC2
CA228P	A27-HW	V228P x 2	CM2	WRP	WC2

PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS		WIRING CENTRE
CR222P	R27 ^{V2}	V222P x 2	CM2	WRP	WC2
CR228P	R27 ^{V2}	V228P x 2	CM2	WRP	WC2



2 Zone Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS		WIRING CENTRE
CR2P-221301	R27 ^{V2}	V222P x 2	CM3	-	WC2
CR2P-221311	R27 ^{V2}	V222P x 2	CM3	WRP	WC2
CR2P-221341	R27 ^{V2}	V222P x 2	CM3	WRP-IM-TP	WC2
CR2P-221351	R27 ^{V2}	V222P x 2	CM3	WRP-TP	WC2
CR2P-281211	R27 ^{V2}	DS222P x 2	CM2	WRP	WC2
CR2P-282301	R27 ^{V2}	DS222P x 2	CM3 x 2	-	WC2





S Plan Unvented Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTAT	WIRING CENTRE
CA222PU	A27-HW	V222P	CM2	WC2
CA228PU	A27-HW	V228P	CM2	WC2



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTAT	WIRING CENTRE
CR222PU	R27 ^{V2}	V222P	CM2	WC2
CR228PU	R27 ^{V2}	V228P	CM2	WC2



2 Zone Combi Zoning Control Pack with Programmable Thermostats



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS	WIRING CENTRE
C00P-222101	-	V222P x 2	RDTP x 2	WC2
C00P-222701	-	V222P x 2	CDTP2 x 2	WC2
C00P-222801	-	V222P x 2	CRTP2 x 2	WC2



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS	WIRING CENTRE
C00P-222A01	-	V222P x 2	CP4M x 2	WC2
C00P-222B01	-	V222P x 2	CP4B x 2	WC2
C00P-232A00	-	V228P x 2	CP4M x 2	WC2
C00P-282B01	-	DS222P x 2	CP4B x 2	WC2

Pictures for reference only, thermostats will differ in packs.



2 Zone Priority Hot Water Control Pack with RF Programmable Thermostats



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS	WIRING CENTRE
C00P-221981	-	V222P x 2	CP4 CP4-HW-OT	WC2



2 Zone Combi Zoning Control Pack with Programmer



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS	WIRING CENTRE
CR2P-222201	R27 ^{V2}	V222P x 2	CM2 x 2	WC2
CR2P-222301	R27 ^{V2}	V222P x 2	CM3 x 2	WC2
CR2P-282201	R27 ^{V2}	DS222P x 2	CM2 x 2	WC2
CR2P-282301	R27 ^{V2}	DS222P x 2	CM3 x 2	WC2
CR2P-282401	R27 ^{V2}	DS222P x 2	CDT2 x 2	WC2





3 Zone Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS		WIRING CENTRE
CR322P	R37 ^{V2}	V222P x 3	CM2 x 2	WRP	WC2
CR3P-222301	R37 ^{V2}	V222P x 2	CM3 X 2	-	WC2
CR3P-382211	R37 ^{V2}	DS222P x 3	CM2 X 2	WRP	WC2
CR328P	R37 ^{V2}	V228P x 3	CM2 x 2	WRP	WC2

3 Zone Unvented Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS	WIRING CENTRE
CR322PU	R37 ^{V2}	V222P x 2	CM2 x 2	WC2
CR3P-282301	R37 ^{V2}	DS22P x 2	CM3 x 2	WC2
CR3P-282401	R37 ^{V2}	DS222P x 2	CDT2 x 2	WC2
CR328PU	R37 ^{V2}	V228P x 2	CM2 x 2	WC2

3 Zone Combi Zoning Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS	WIRING CENTRE
COOP-323A01	-	V222P x 3	CP4M x 3	WC2
COOP-323101	-	V222P x 3	RDTP x 3	WC2
COOP-323701	-	V222P x 3	CDTP2 x 3	WC2
COOP-323801	-	V222P x 3	CRTP2 x 3	WC2
CR3P-322301	R37 ^{V2}	V222P x 3	CM3 x 2	WC2
CR3P-323201	R37 ^{V2}	V222P x 3	CM2 x 3	WC2
CR3P-323301	R37 ^{V2}	V222P x 3	CM3 x 3	WC2

Pictures for reference only, thermostats will differ in packs.



Hardwired Control Packs & Wiring Centres

4 Zone Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS		WIRING CENTRE
CR422P	R47 ^{V2}	V222P x 4	CM2 x 3	WRP	WC2
CR428P	R47 ^{V2}	V228P x 4	CM2 x 3	WRP	WC2

4 Zone Unvented Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVES	THERMOSTATS		WIRING CENTRE
CR422PU	R47 ^{V2}	V222P x 3	CM2 x 3		WC2
CR428PU	R47 ^{V2}	V228P x 3	CM2 x 3		WC2

Wiring Centre



PRODUCT CODE	INTERNALLY MOUNTED
WC2	12 Block Connector Strip
WC3	16 Block Connector Strip

Wiring Centre with PCB



PRODUCT CODE	INTERNALLY MOUNTED	APPLICATION
WCA	PCB c/w Screw Terminals	S-Plan or 3 Zone System

Radiator Controls



TRV Single Pack - Chrome Angled



PRODUCT CODE	CONNECTION TYPE	BI DIRECTIONAL
CTRV15C	15mm Compression	Yes
SENSOR TYPE	TEMP RANGE	MAX. DIFFERENTIAL PRESSURE
Liquid filled	7 ... 28°C	0.6bar

TRV Twin Pack - Chrome Angled



PRODUCT CODE	CONNECTION TYPE	BI DIRECTIONAL
EMTRV15C	15mm Compression	Yes
SENSOR TYPE	TEMP RANGE	MAX. DIFFERENTIAL PRESSURE
Liquid filled	7 ... 28°C	0.6bar

TRV Twin Pack - Chrome Straight



PRODUCT CODE	CONNECTION TYPE	BI DIRECTIONAL
SEMTRV15C	15mm Compression	Yes
SENSOR TYPE	TEMP RANGE	MAX. DIFFERENTIAL PRESSURE
Liquid filled	7 ... 28°C	0.6bar

TRV Single Pack - Angled



PRODUCT CODE	CONNECTION TYPE	BI DIRECTIONAL	ACCESSORIES
CTRV10	10mm compression	Yes	-
CTRV15	15mm compression	Yes	1 x 1/2" olive
SENSOR TYPE	TEMP RANGE	MAX. DIFFERENTIAL PRESSURE	
Liquid filled	7 ... 28°C	0.6 bar	

TRV Twin Pack - Angled for 16mm Multi Layer Pipe



PRODUCT CODE	CONNECTION TYPE	BI DIRECTIONAL	ACCESSORIES
EMTRVMLP	16mm multi layer pipe	Yes	-
SENSOR TYPE	TEMP RANGE	MAX. DIFFERENTIAL PRESSURE	
Liquid filled	7 ... 28°C	0.6 bar	

TRV Twin Pack - Angled



PRODUCT CODE	CONNECTION TYPE	BI DIRECTIONAL	ACCESSORIES
EMTRV10	10mm compression	Yes	-
EMTRV15	15mm compression	Yes	2 x 1/2" olives
SENSOR TYPE	TEMP RANGE	MAX. DIFFERENTIAL PRESSURE	
Liquid filled	7 ... 28°C	0.6 bar	

TRV Twin Pack - Angled with Lockshield Drain Off Valve



PRODUCT CODE	CONNECTION TYPE	BI DIRECTIONAL
EMTRV10DOV	10mm compression	Yes
EMTRV15DOV	15mm compression	Yes
SENSOR TYPE	TEMP RANGE	MAX. DIFFERENTIAL PRESSURE
Liquid filled	7 ... 28°C	0.6 bar

TRV Twin Pack - Straight



PRODUCT CODE	CONNECTION TYPE	BI DIRECTIONAL
SEMTRV15	15mm compression	No
SENSOR TYPE	TEMP RANGE	MAX. DIFFERENTIAL PRESSURE
Liquid filled	7 ... 28°C	0.6 bar

Lockshield Valves



PRODUCT CODE	CONNECTION TYPE	BI DIRECTIONAL	DESCRIPTION
LSV10	10mm compression	Yes	Lockshield valve
LSV15	15mm compression	Yes	Lockshield valve
LSVMLP	16mm multilayer pipe	Yes	Lockshield valve
TEMP RANGE		MAX. DIFFERENTIAL PRESSURE	
7 ... 28°C		0.6 bar	

Radiator Controls Continued

Drain Off Valve



2 YEARS WARRANTY
BOX QTY 200

PRODUCT CODE	DESCRIPTION	PACK QUANTITY
DOV	15mm Drain off valve	1 piece

Lockshield Drain Off Valve



2 YEARS WARRANTY
BOX QTY 50

PRODUCT CODE	DESCRIPTION	PACK QUANTITY
LSDOV10	10mm Lockshield drain off valve	1 piece
LSDOV15	15mm Lockshield drain off valve	1 piece

Push Fit Elbow



2 YEARS WARRANTY
BOX QTY 100

PRODUCT CODE	DESCRIPTION	PACK QUANTITY
PFE10	15mm x10mm Push fit elbow	2 pieces
PFE15	15mm x15mm Push fit elbow	2 pieces

TRV Body - 15mm



2 YEARS WARRANTY
BOX QTY 60

PRODUCT CODE	CONNECTION TYPE	BI DIRECTIONAL	MAX. FLOW TEMP.
TRVB15	15mm Compression	Yes	90 °C
NOMINAL FLOW RATE	MAX. DIFFERENTIAL PRESSURE	MAX. STATIC PRESSURE	CONNECTION
190 l/h	0.6 bar	10 bar	M30 x 1.5

Thermostatic Heads



2 YEARS WARRANTY
BOX QTY 50

PRODUCT CODE	CONNECTION TYPE	DESCRIPTION
TRV	M30 x 1.5	Thermostatic head white
TRVCH	M30 x 1.5	Thermostatic head chrome
TEMP RANGE	MAX. DIFFERENTIAL PRESSURE	
7 ... 28 °C	0.6 bar	

Reduced Mobility Accessory



BOX QTY 100

PRODUCT CODE	DESCRIPTION
RMA	Reduced Mobility Accessory for EPH TRVs

Thermostatic Mixing Valves, Zone Valves & Actuator

Thermostatic Mixing Valves



Point of Use, In Line

PRODUCT CODE	VALVE SIZE	FLOW RATE	MAX STATIC PRESSURE	APPLICATION
TMV15C	15mm	1.1Kvs	10 Bar	Point of Use
TMV22C	22mm	1.1Kvs	10 Bar	Point of Use

SETTING RANGE	HOT & COLD FLOW HIGH PRESSURE	HOT & COLD FLOW LOW PRESSURE	CONNECTION
30 ... 50°C	1.0-5 Bar	0.2-1 Bar	Compression

ACCESSORIES CODE	DESCRIPTION	COLOUR
IV15	15mm Angled Isolation Valve	Red and Blue
IV22	22mm Angled Isolation Valve	Red and Blue

2 Port Zone Valves



PRODUCT CODE	VALVE SIZE	FLOW RATE
VUA015F200	DN15	1.7 Kvs
VUA020F200	DN20	2.6 Kvs
VUA025F200	DN25	4.9 Kvs

TEMP RANGE	ACTUATOR CONNECTION	PN RATING	CONNECTION TYPE
2...110°C	M30x1.5	PN16	Female BSP

Thermal Actuator



For use with: TRVB15 & VUA0_5F200



PRODUCT CODE	POWER SUPPLY	ACTUATOR TYPE	RUNNING TIME	AUXILIARY SWITCH
TA24	24Vac	Normally Closed (Open)	4.5 min	-
TA230	230Vac	Normally Closed (Open)	3.5 min	-
TA230S	230Vac	Normally Closed	4.5 min	Yes

MAX. STROKE	AMBIENT TEMP RANGE	SPRING PRESSURE	VALVE CONNECTION
3.5mm	0 ... 50°C	125N	M30 x 1.5

Solenoid Valves

Direct Acting - Normally Closed



Connection: Female BSP
Suitable for: Water / Oil / Inert Gas

PRODUCT CODE	VALVE SIZE	FLOW RATE	MAX DIFFERENTIAL	MAX. PRESSURE
DANC15	DN15	0.4 Kvs	6 Bar	PN20
DANC20	DN20	0.9Kvs	3 Bar	PN20
TEMPERATURE RANGE	IP RATING	MINIMUM DIFFERENTIAL PRESSURE		
-10...140°C	IP65	0.1Bar		

Servo Assisted - Normally Closed



Connection: Female BSP
Suitable for: Water / Oil / Inert Gas

PRODUCT CODE	VALVE SIZE	FLOW RATE	MAX DIFFERENTIAL	MAX. PRESSURE
SANC10	DN10	2.0 Kvs	20 Bar	PN25
SANC15	DN15	2.5 Kvs	20 Bar	PN25
SANC20	DN20	6.0 Kvs	20 Bar	PN25
SANC25	DN25	9.0 Kvs	20 Bar	PN25
SANC32	DN32	22.0 Kvs	10 Bar	PN16
SANC40	DN40	25.0 Kvs	10 Bar	PN16
SANC50	DN50	45.0 Kvs	10 Bar	PN16
TEMPERATURE RANGE	IP RATING	MINIMUM DIFFERENTIAL PRESSURE		
-10...90°C	IP65	0.1Bar		

Servo Assisted - Normally Open



Connection: Female BSP
Suitable for: Water / Oil / Inert Gas

PRODUCT CODE	VALVE SIZE	FLOW RATE	MAX DIFFERENTIAL	MAX. PRESSURE
SANO15	DN15	3.0 Kvs	20 Bar	PN25
SANO20	DN20	8.4 Kvs	20 Bar	PN25
SANO25	DN25	9.6 Kvs	20 Bar	PN25
SANO32	DN32	25.2 Kvs	10 Bar	PN16
SANO40	DN40	30.0 Kvs	10 Bar	PN16
SANO50	DN50	37.2 Kvs	10 Bar	PN16
TEMPERATURE RANGE	IP RATING	MINIMUM DIFFERENTIAL PRESSURE		
-10...90°C	IP65	0.1Bar		

Coils



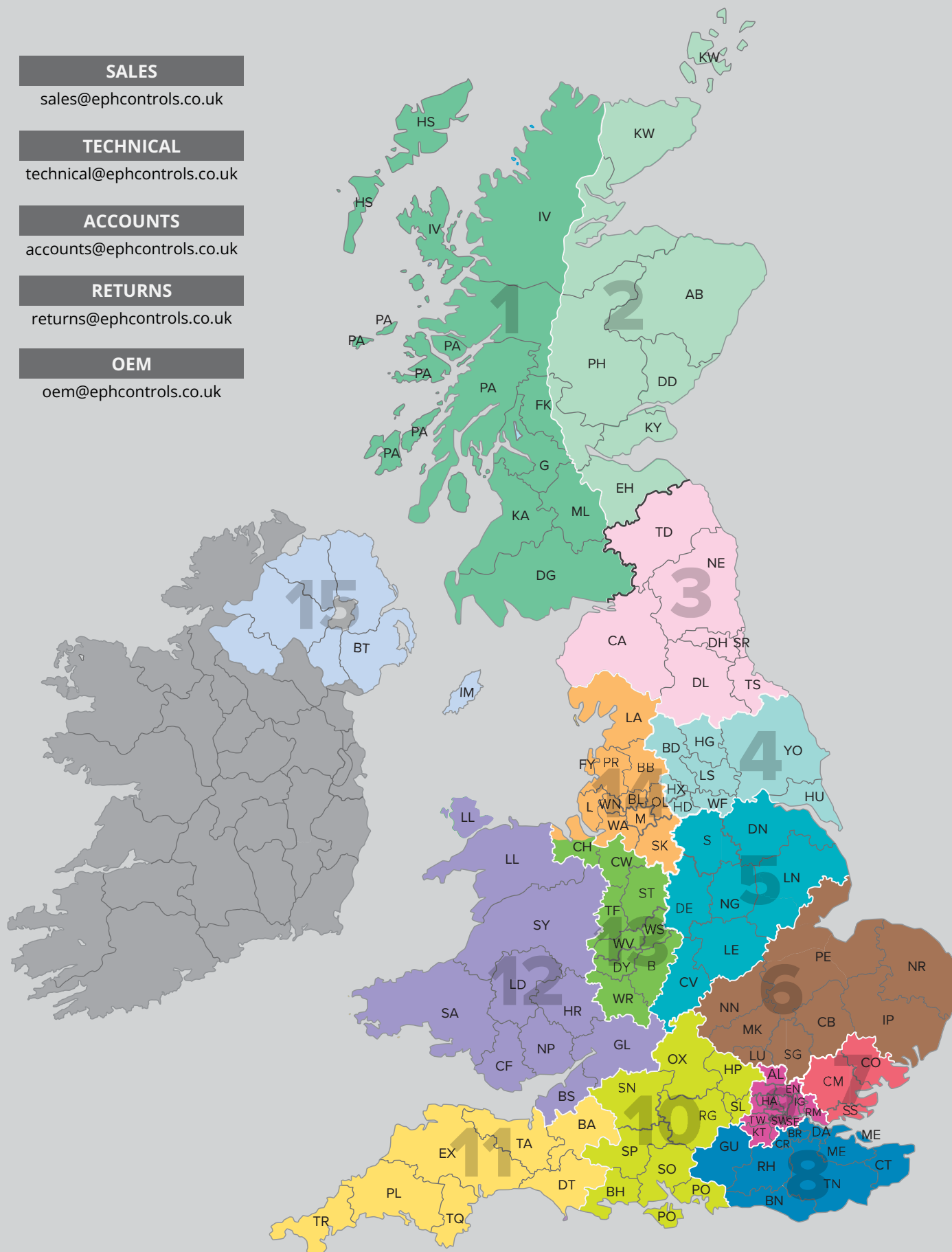
Connectors for coils sold separately

PRODUCT CODE	POWER SUPPLY	ACTIVE POWER	FOR USE WITH
C12AC	12Vac	9W	DANC / SANC
C12DC	12Vdc	14W	DANC / SANC
C24AC	24Vac	9W	DANC / SANC
C24DC	24Vdc	14W	DANC / SANC
C110AC	110...115Vac	9W	DANC / SANC
C230AC	230Vac	14W	DANC / SANC
C24DC	24Vdc	14W	DANC / SANC
C24ACNO	24Vac	9W	SANO
C230ACNO	230Vac	14W	SANO

Connector for Coils



ACCESSORIES CODE	DESCRIPTION
CONN	Connector for coils





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