HEATING CONTROLS

2025 UK Catalogue

EPH CONTROLS

EMBER

Welcome

Explore our 2025 product range

& 28 years of excellence

EPH CONTROLS

Table of contents

Iconography

3 On/Off Periods	Detachable Actuator	Keypad Lock	Motor Made in USA
5 Year Warranty	EMBER App Compatible	Limitable Temp. Range	Open Therm
Battery Powered	Frost Protection	Mains Powered	Legionnaires Function
Cable Sensor	Indicator Light	Max 30M Distance	Service Interval

16:38

Home

Current Target County Cork 16.4°C

Living

This zone is in ON mode

— 22.5° +

21.0°

ON

MODE BOOST ADVANCE

Smart
Heating Control

EMBER

1 APP
4
SYSTEMS

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.

GW04	UFH10-RF	RDT-RF-TW	RDT-RF-TB	RFRB-TW	RFRB-TB

RFR^{V2}	RFC^{V2}	RFRB^{V2}	HDT-RF	RDT-RF	CDT2-RF	CRT2-RF	TA230

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.

GW04	RF16	eTRV	eTRV-HW	SEMTRVB22

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.

GW04	CP4^{V2}	CP4D	CP4 *	CP4-HW-OT *

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.

GW04	R17-RF^{V2}	R27-RF^{V2}	R37-RF^{V2}	R47-RF^{V2}

RDT-RF-TW	RDT-RF-TB	RFRB-TW	RFRB-TB

RFR^{V2}	RFC^{V2}	RFRB^{V2}	HDT-RF	RDT-RF	CDT2-RF	CRT2-RF

US

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.

Download on the **App Store**

works with the **Google Assistant**

GET IT ON **Google play**

WORKS WITH **alexa**

1 APP
4 SYSTEMS

RF Wiring Centre 10 Zone

PRODUCT CODE	CONTACT RATING	NO. OF ZONES	TIME INPUTS
UFH10-RF	3(1)A	10	10

POWER SUPPLY	HEAT ENABLE OUTPUT	UFH PUMP OUTPUT	FEATURES
230Vac ±10%	Volt Free	230V~	Pump Delay 0...5 mins Anti-Seize Function

RF Recessed Thermostat with Setback Function – Mains powered

RDT-RF-TW   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	UFH10-RF or R_7-RF^{V2}

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

TOUCH

RF Recessed Thermostat with Setback Function – Battery powered

RFRB-TW   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	UFH10-RF or R_7-RF^{V2}

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

TOUCH

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	UFH10-RF or R_7-RF^{V2}

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

RF Dial Thermostat with Setback Function – Mains powered 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 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 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 US PS

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

	PRODUCT CODE	MOUNTING TYPE	TEMP RANGE	FEATURES
NEW	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 US PS

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}

GW04 WiFi Gateway US RS TS PS   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	FOR USE WITH
230Vac ±10%	Micro USB	10m	UFH10-RF or R_7-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

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.

1 APP — **4 SYSTEMS**

16 Zone Controller

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

RF Smart Radiator Thermostat

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

Designed for use with EPH Controls TRV 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

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

Designed for use with EPH Controls TRV valves

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

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	FOR USE WITH
230Vac ±10%	Micro USB	10m	RF16

CP4

CP4^{V2}

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.

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

EMBER   TS

Heating Control System

CP4D

GW04

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.

Add a Gateway for Smart Control

the best just got better :)

Make it Smart! The GW04 gateway is the perfect addition to any CP4, CP4^{V2}, 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.

VOICE CONTROL

CONVENIENT

MULTIPLE CONTROL

COST EFFECTIVE

MULTI ZONE

EASY INSTALLATION

USER FRIENDLY

OPENTHERM®

PROGRAMMABLE

ErP Class V
+3%
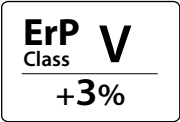
When one thermostat is fitted in conjuction with a modulating boiler

ErP Class VIII
+5%
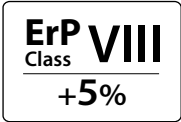
When three thermostats are fitted in conjunction with a modulating boiler

RF Programmable Thermostat & Receiver

Add a Gateway to upgrade to EMBER App Control (see page 18)

RFRPD   RF1B

NEW

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

RFRP^{V2} RF1B

NEW

PRODUCT CODE	COMPONENTS	RF RANGE	INTERNAL TEMP SENSOR
CP4^{V2}	RFRP^{V2} & RF1B	30m	NTC100K

THERMOSTAT	POWER SUPPLY	TEMP RANGE	FEATURES
RFRP^{V2}	2 x AA (incl.)	5 ... 35°C	Optimum Start & TPi

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

RFRP-OT   RF1A-OT

ErP Class V = 3%,
*ErP Class VIII = 5%
* (When 3 no. thermostats are fitted in conjunction with a modulating boiler.)

BOILER PLUS
SP OpenTherm®

5 YEAR WARRANTY | SI | ❄ | 30 METRE | EMBER APP | BOX QTY 24 | CE UK CA

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

Smart Thermostat, Receiver & Gateway

TS

RFRP-OT   RF1A-OT   GW03

Dual band 2.4 / 5GHz

ErP Class V = 3%,
*ErP Class VIII = 5%
* (When 3 no. thermostats are fitted in conjunction with a modulating boiler.)

BOILER PLUS
SP OpenTherm®

5 YEAR WARRANTY | SI | ❄ | 30 METRE | EMBER APP | BOX QTY 21 | CE UK CA

PRODUCT CODE	COMPONENTS	RF RANGE	INTERNAL TEMP SENSOR
CP4i	RFRP-OT RF1A-OT GW03	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	FOR USE WITH
GW03	230Vac ±10%	2.4 or 5GHz	CP4

GW04 WiFi Gateway TS PS US RS

Used to upgrade your system to EMBER App Control

Dual band 2.4 / 5GHz

5 YEAR WARRANTY | ❄ | 10 METRE | EMBER APP | BOX QTY 55 | CE UK CA

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

POWER SUPPLY	PORT TYPE	RF RANGE	FOR USE WITH
230Vac ±10%	Micro USB	10m	CP4, CP4^{V2}, CP4D

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®

	CP4B	CP4M	CP4	CP4^{V2}	CP4D	CP4-HW-OT	CP4i
Smart / App Control			✓	✓	✓	✓	✓
Wireless			✓	✓	✓	✓	✓
Battery Powered	✓		✓	✓	✓	✓	✓
Hardwired		✓					
Boiler Plus Compliant	✓	✓	✓	✓	✓	✓	✓
OpenTherm®	✓	✓	✓	✓	✓	✓	✓
5 Year Warranty	✓	✓	✓	✓	✓	✓	✓
Boost Function	✓	✓	✓	✓	✓	✓	✓
Industry Std. Backplate		✓		✓*	✓*		
Service Interval	✓	✓	✓	✓	✓	✓	✓

*RF1B Receiver has an Industry Standard Backplate

Order your branded flaps >

with your contact details on the inside.

YOUR LOGO HERE

17.09. **21.0°** SUN
12:00
AUTO TARGET **22.0°**

EPH
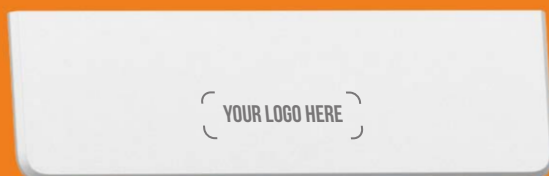
PS Programmer
Heating Control System

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

Zone	Pack	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

Download on the App Store

works with the Google Assistant

GET IT ON Google play

WORKS WITH alexa

1 Zone Timeswitch [PS]

NEW

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

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

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2 Zone Programmer [PS]

NEW

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

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

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3 Zone Programmer [PS]

NEW

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

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

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4 Zone Programmer [PS]

NEW

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

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

RF Recessed Thermostat with Setback Function – Mains powered

[PS] [US]

RDT-RF-TW   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

ErP Class IV = 2%
Compatible with up to 2 External Temp Sensors
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

5 YEAR WARRANTY | BOX QTY 40 | CE | UK CA | TOUCH

RF Recessed Thermostat with Setback Function – Battery powered

[PS] [US]

RFRB-TW   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

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

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

5 YEAR WARRANTY | BOX QTY 40 | CE | UK CA | TOUCH

RF Thermostat with Setback Function – Battery powered

[PS] [US]

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

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

POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
2 x AAA (incl.)	0 ... 1.0°C	30m	R_7-RF^{V2} or UFH10-RF

5 YEAR WARRANTY | 30 METRE | EMBER APP | BOX QTY 40 | CE | UK CA

RF Dial Thermostat with Setback Function – Mains powered

[PS] [US]

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

ErP Class IV = 2%
Not compatible with External Temp Sensors

POWER SUPPLY	SWITCHING DIFFERENTIAL	RF RANGE	FOR USE WITH
230Vac ± 10%	0 ... 1.0°C	30m	R_7-RF^{V2} or UFH10-RF

5 YEAR WARRANTY | ❄ | 🔒 | 🌡 | TPI | BOX QTY 60 | CE | UK CA

RF Recessed Thermostat with Setback Function – Mains powered [PS] [US]

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	R_7-RF^{V2} or UFH10-RF

RF Surface Mounted Thermostat with Setback Function – Mains powered [PS] [US]

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	R_7-RF^{V2} or UFH10-RF

RF Surface Mounted Thermostat with Setback Function – Battery powered [PS] [US]

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

NEW

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 [PS] [US]

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	R_7-RF^{V2} or UFH10-RF

GW04 WiFi Gateway [PS] [US] [RS] [TS]   Used to upgrade your R_7–RF^{V2} to EMBER App Control (see page 18)

Dual band 2.4 / 5GHz

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

POWER SUPPLY	PORT TYPE	RF RANGE	FOR USE WITH
230Vac ±10%	Micro USB	10m	R_7-RF^{V2}

17

GW04 WiFi Gateway [PS] [TS] [US] [RS]

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^{V2}, CP4D, UFH10-RF, RF16

POWER SUPPLY	PORT TYPE	RF RANGE	FREQUENCY BANDS
230Vac ±10%	Micro USB	10m	2.4 or 5GHz

GW03 WiFi Gateway [TS]

Used to upgrade your CP4 to EMBER App Control

PRODUCT CODE	CONNECTIVITY OPTIONS	FOR USE WITH
GW03	RF & WiFi Interface	CP4 only

POWER SUPPLY	PORT TYPE	RF RANGE	FREQUENCY BANDS
230Vac ±10%	Micro USB	10m	2.4 or 5GHz

GW01 WiFi Gateway [PS]

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	RF RANGE	FREQUENCY BANDS
230Vac ±10%	Mini USB	10m	2.4GHz

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 Programmer Pack
Add a GW04 Gateway to upgrade to EMBER App Control (see page 18) PS

PRODUCT CODE	PROGRAMMER	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 Programmer Pack
Add a GW04 Gateway to upgrade to EMBER App Control (see page 18) 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 Programmer Pack
Add a GW04 Gateway to upgrade to EMBER App Control (see page 18) 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 (see page 18) 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	-

Y Plan RF Heating Control Pack | PS

PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTATS		WIRING CENTRE
CR22PRF	R27-RF^{V2}	B322MID	RFR^{V2}	RFC^{V2}	WC2
CR28PRF	R27-RF^{V2}	B328MID	RFR^{V2}	RFC^{V2}	WC2

S Plan RF Heating Control Pack | PS

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 | PS

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 | PS

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 | PS

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 | PS

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

3 Zone RF Unvented Heating Control Pack — PS

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 — PS

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 — PS

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 — PS

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 — TS

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 — TS

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

TR1 TR2 RF Mains Switch

Ideal for any installation where its not possible to run cables

The TR1 TR2, 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.

WARRANTY
5 Years
STANDARD

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

---

RF Mains Switch

PRODUCT CODE	DESCRIPTION	RF FREQUENCY	MOUNTING TYPE
TR1TR2	Transceiver	868MHz	Surface

POWER SUPPLY	CONTACT RATING	SWITCH OUTPUT	RF RANGE
230Vac ±10%	10(3)A 230Vac	SPST Volt Free	30m

Example 1   Single Wireless Switch

In this example, a timeswitch is connected to the TR1 transceiver. When the timeswitch is turned on, an RF signal is sent from TR1 to TR2. This then powers the zone valve.

Timeswitch   TR1   TR2   Zone Valve

Switched Live to activate your system from thermostat or timeswitch

MAINS SUPPLY

| C | L_{out} | L_{in} | L | N |

MAINS SUPPLY

COMMON FOR RELAY

| C | L_{out} | L_{in} | L | N |

If 230V is required then loop C to Mains Live

Switched Live to Zone Valve
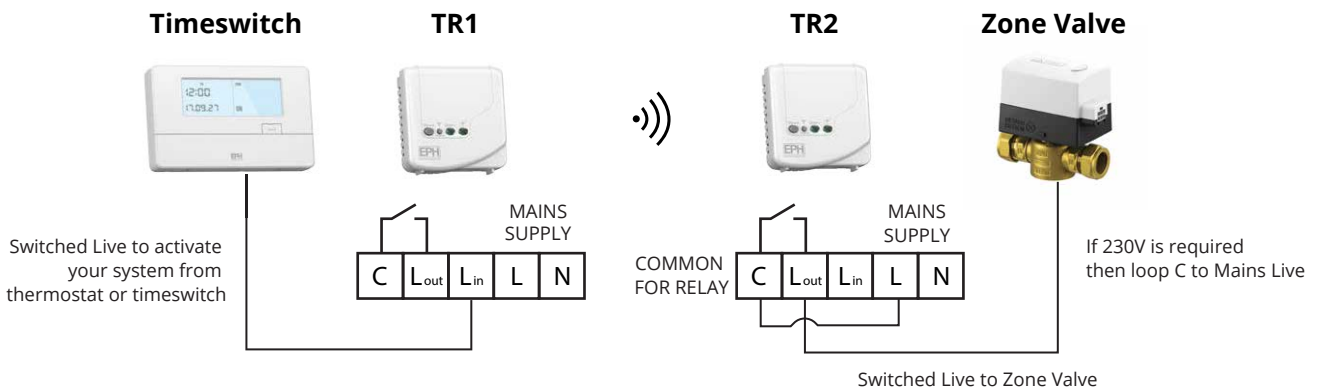
Example 2   Double Wireless Switch (Boiler Interlock)

In this example, a timeswitch is connected to the TR1 transceiver. 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   TR1   TR2   Zone Valve

Switched Live to activate your system from thermostat or timeswitch

COMMON FOR RELAY

MAINS SUPPLY

| C | L_{out} | L_{in} | L | N |

COMMON FOR RELAY

MAINS SUPPLY

| C | L_{out} | L_{in} | L | N |

For Actuator Auxiliary Switch

Remove Link from Boiler PCB.
Run 2 core cable from these terminals to C and Lout.

If 230V is required then loop C to Mains Live

230V Switched Live from Aux

Switched Live to Zone Valve

L

N
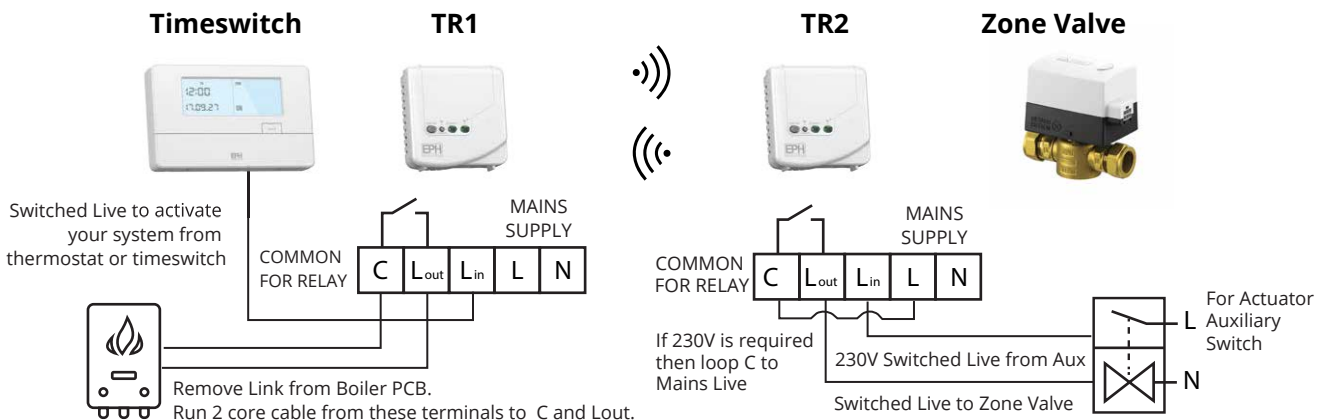
RF Cylinder Thermostat & Receiver

RFCA   RF1

PRODUCT CODE	COMPONENTS	RF RANGE	EXTERNAL TEMP SENSOR
RFCP	RFCA & RF1	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
RF1	230Vac ±10%	10(3)A 230Vac	SPDT Volt Free

RF Programmable Cylinder Thermostat & Receiver

Add a Gateway to upgrade to EMBER App Control 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

RF Thermostat & Receiver

RFRA V2   RF1

ErP Class I = 1%

PRODUCT CODE	COMPONENTS	RF RANGE	INTERNAL TEMP SENSOR
CP3	RFRA V2 & RF1	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
RF1	230Vac ±10%	10(3)A 230Vac	SPDT Volt Free

Hot Water Controls

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

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

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

ACCESSORIES CODE	DESCRIPTION
NTC Housing	Temperature Sensor Housing

Cylinder Thermostat with High Limit – Mains powered

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

Built-in Legionaires function

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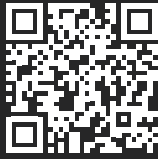
We reward

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.

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WELCOME BONUS

Attention all Installers

Welcome Bonus when you join!

currys Gift Card

amazon Shopping

STARBUCKS CARD Coffee
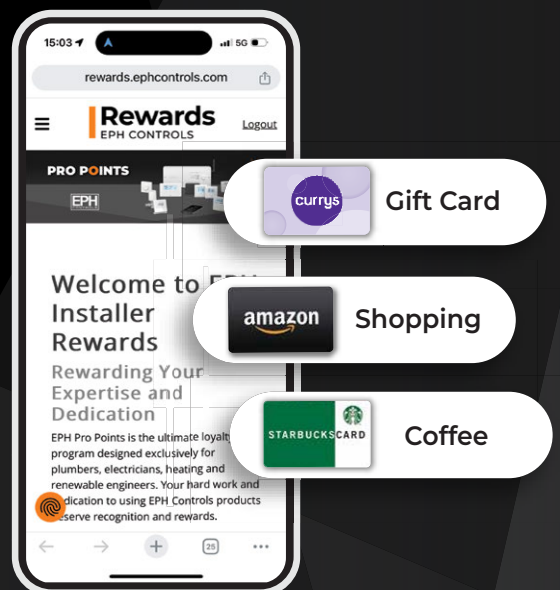
Motorised Valves

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

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

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
V222FP	3/4" female BSP	4.6 kvs	1.0 bar	No
V228FP	1" female BSP	6.8 kvs	0.6 bar	No
V232FP	1 1/4" female BSP	8.0 kvs	0.3 bar	No

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
DS222PNO	22mm compression	4.6 kvs	1.0 bar	Yes
DS228PNO	22mm compression	6.8 kvs	0.6 bar	Yes

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

3 Port Diverter Valve – High Flow Rate

PRODUCT CODE	CONNECTION TYPE	FLOW RATE	MAX. CLOSE OFF PRESSURE
B322DIV	22mm compression	7.1 kvs	1.6 bar (A) 1.2 bar (B)
B328DIV	28mm Compression	7.6 kvs	1.2 bar (A) 0.8 bar (B)

CONTACT RATING	MAX AMBIENT TEMP	MAX FLUID TEMP	
5(2)A 230Vac	50°C	88°C	

3 Port Mid Position Valve – High Flow Rate

PRODUCT CODE	CONNECTION TYPE	FLOW RATE	MAX. CLOSE OFF PRESSURE
B322MID	22mm Compression	7.1 kvs	1.6 bar (A) 1.2 bar (B)
B328MID	28mm Compression	7.6 kvs	1.2 bar (A) 0.8 bar (B)

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	
A1P	11(3)A 230Vac	2 Port	V22_D / V22_P	
D1PF	5(2)A 230Vac	3 Port	B322P / B328P	B322PF / B328PF

Actuators for Non-EPH Valves

DETACH PRO ▶

DS1P & M1P c/w
Light
Detach cable

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
A1P	11(3)A 230Vac	2 Port	Horstmann F222 / F228
C1P	11(3)A 230Vac	2 Port	Honeywell V404 | Horstmann Z222 / Z228
DS1P	11(3)A 230Vac	2 Port	Danfoss HP22B / HP28B / HP15B
			Danfoss HP1.75B / HP1.0B
			Sunvic SZ / SZM / SM
DT1P	11(3)A 230Vac	2 Port	Drayton® ZA5/679-2 / ZA6/779-2
M1P	11(3)A 230Vac	2 Port	Myson MPE22/MPE28/MCZV2 3/4 / MCZV21
D1PF	5(2)A 230Vac	3 Port	Honeywell V407 | Horstmann Z322 / Z328

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

2.5m 5.0m

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

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

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

Surface Mounted Thermostat – Mains powered

ErP Class IV = 2%

PRODUCT CODE	POWER SUPPLY	CONTACT RATING	TEMP RANGE
CDT2	230Vac ± 10%	7A 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%	7A 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

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

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

Surface Mounted Thermostat

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

ErP Class IV = 2%

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

Programmers

1 Zone Timeswitch

 A17

 R17ᵛ²

PRODUCT CODE	NUMBER OF ZONES	BOOST PERIOD	SCREEN DIMENSIONS
A17	1	1h, 2h, 3h	48 x 23mm
R17^{V2}	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

PRODUCT CODE	NUMBER OF ZONES	BOOST PERIOD	SCREEN DIMENSIONS
A27-HW	2	1h, 2h, 3h	48 x 23mm
R27^{V2}	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

 R27-VF

PRODUCT CODE	NUMBER OF ZONES	BOOST PERIOD	SCREEN DIMENSIONS
R27-VF	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
R37^{V2}	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
R47^{V2}	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

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%	7A 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

BOILER PLUS

SP Open Therm®

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%

BOILER PLUS

SP Open Therm®

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

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

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.

Introducing
2 Zone
New build
Heating
Control Packs

Choose your control pack by scanning this QR code

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2 x CP4M
Mains Operated
Programmable Thermostats

2 x V222P
2 Port 22mm
Motorised Valves

1 x WC2
12 Way
Wiring Centre

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2 x CP4B
Battery Powered
Programmable Thermostats

2 x V222P
2 Port 22mm
Motorised Valves

1 x WC2
12 Way
Wiring Centre

ErP Class **V** | **+3%**   When used with OpenTherm®

ErP Class **IV** | **+2%**   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 = B322MID		6 = CRT2	6 = DBS	
				7 = B328MID		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 = B322MID		6 = CDT2-RF	6 = DBS	
				7 = B328MID		7 = CRT2-RF	7 = EDBS	
				8 = DS222P		8 = RDT-RF	8 = CP4-HW-OT	
				9 = V222PC		9 = CP4	9 = CDC2	
				A = DS228P		A = CP4v2		
						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	B322MID	CM2	WRP	WC2
CA28P	A27-HW	B328MID	CM2	WRP	WC2

PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTATS		WIRING CENTRE
CR22P	R27^{V2}	B322MID	CM2	WRP	WC2
CR28P	R27^{V2}	B328MID	CM2	WRP	WC2

BOX QTY 6 CE UKCA

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-GEG03)	R17^{V2}	V228P	CP4	WC2

BOX QTY 6 CE UKCA

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

BOX QTY 6 CE UKCA

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

BOX QTY 6 CE UKCA

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

BOX QTY 6 CE UK CA

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.

BOX QTY 6 CE UK CA

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

BOX QTY 6 CE UK CA

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

BOX QTY 6 CE UK CA

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

BOX QTY 6 CE UK CA

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

BOX QTY 6 CE UK CA

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.

BOX QTY 6 CE UK CA

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

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

Drain Off Valve

BOX QTY 200

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

Lockshield Drain Off Valve

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

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

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

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

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

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

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

For use with: TRVB15 & VUA0_5F200

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
C24DC	24Vdc	14W	DANC / SANC
C24ACNO	24Vac	9W	SANO
C230ACNO	230Vac	14W	SANO

Connector for Coils

ACCESSORIES CODE	DESCRIPTION
CONN	Connector for coils

Contact Details

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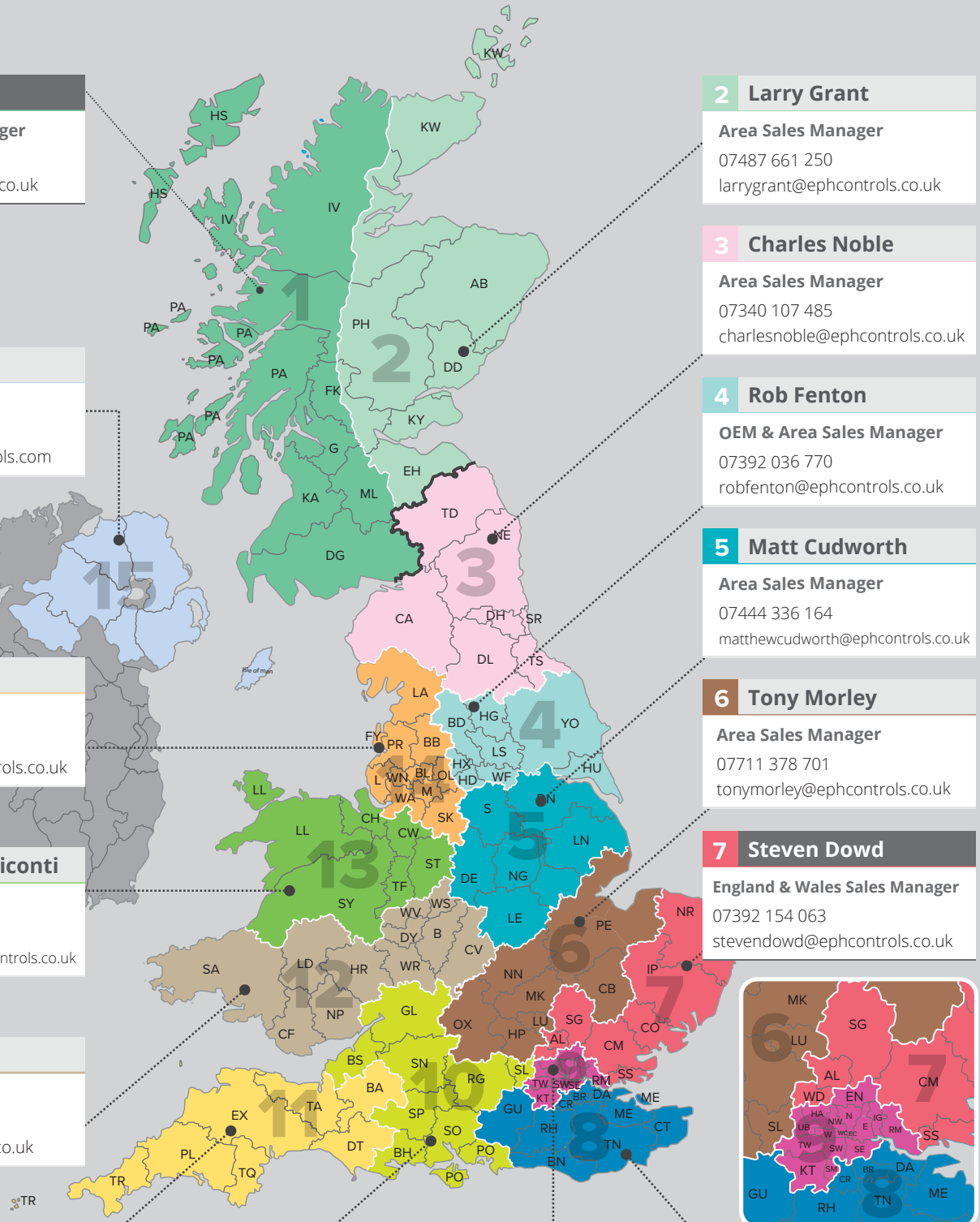07340 107 485
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