



HEATING CONTROLS

RESIDENTIAL



2022 UK Catalogue



Celebrating 25 Years in business

For 25 years, EPH have been supplying state of the art products to the residential, commercial and pharmaceutical markets.

In our 2022 residential heating controls catalogue, you will find our latest products with the best of features to suit your application.

I would like to draw your attention to a few of these products.

The Boiler Plus legislation is a result of our industry looking for a more sustainable and energy efficient heating solution. The result of this will be lower fuel consumption as well as reduced carbon emissions.

Our CP4, programmable RF room thermostat has all the features to meet the Boiler Plus requirements and with its ease of use, it will continue to be a popular choice for all installers.

Following a major update, the EMBER App can now control both Programmer based systems (EMBER PS) and Thermostat based systems (EMBER TS). On top of the existing features and benefits, voice control of your heating system is now possible via Alexa and Google Assistant.

The new CP4i, smart thermostat has now been launched based on the success of the CP4. Controlled by the EMBER App, up to 6 thermostats can be installed in a home with multi zone OpenTherm® control.

Our Detach Pro range of motorised valves are manufactured with internationally recognised, market leading components. As a result, we continue to offer an industry leading 5 year warranty as we have done for the last 14 years.

These are some of the exceptional products that we have available to you.

We hope you enjoy the full range of products within this catalogue or visit our website at www.ephcontrols.co.uk.

We shall continue to pre-empt market requirements by delivering quality products with the USP's that set us aside from our competitors and make our products the first choice for all installers.

Trevor Casey
Managing Director



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RF Programmer Packs

EPH Controls' RF Programmer packs provide a 1 - 4 zone solution for RF 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 app.

1 Zone RF Programmer Pack PS

Add a GW01 to upgrade to EMBER App Control



PRODUCT CODE	PROGRAMMER	THERMOSTAT	
CWP1E	R17-RF	RFR	(with Boost button)
CWP1EB	R17-RF	RFRB	(with On/Off button)
CWP1EC	R17-RF	RFC	(with Boost button)

2 Zone RF Programmer Pack PS

Add a GW01 to upgrade to EMBER App Control



PRODUCT CODE	PROGRAMMER	THERMOSTAT	
CWP2E	R27-RF	RFR	RFC
CWP2CE	R27-RF	RFR	-
CWP2RE	R27-RF	RFR x 2	-

3 Zone RF Programmer Pack PS

Add a GW01 to upgrade to EMBER App Control



PRODUCT CODE	PROGRAMMER	THERMOSTAT	
CWP3E	R37-RF	RFR x 2	RFC
CWP3CE	R37-RF	RFR x 2	-
CWP3RE	R37-RF	RFR x 3	-

4 Zone RF Programmer Pack PS

Add a GW01 to upgrade to EMBER App Control



PRODUCT CODE	PROGRAMMER	THERMOSTAT	
CWP4E	R47-RF	RFR x 3	RFC
CWP4CE	R47-RF	RFR x 3	-
CWP4RE	R47-RF	RFR x 4	-

1 Zone Timeswitch PS



For use with: RFR | RFC | EMBER
Programming Mode: 5/2d - 7d - 24h



Add a GW01 to upgrade to EMBER App Control

PRODUCT CODE	NUMBER OF CHANNELS	SWITCH OUTPUT	BACKPLATE TYPE
R17-RF	1	Volt Free SPDT	6 pin

SWITCH RATING	AMBIENT TEMP RANGE	SCREEN DIMENSION	OPERATING PERIODS
3(1)A 230Vac	0 ... 50°C	100 x 35mm	3 per day

2 Zone Programmer PS



For use with: RFR | RFC | EMBER
Programming Mode: 5/2d - 7d - 24h



Add a GW01 to upgrade to EMBER App Control

PRODUCT CODE	NUMBER OF CHANNELS	SWITCH OUTPUT	BACKPLATE TYPE
R27-RF	2	230Vac SPDT	6 pin

SWITCH RATING	MAX AMBIENT TEMP RANGE	SCREEN DIMENSION	OPERATING PERIODS
3(1)A 230Vac	0 ... 50°C	100 x 35mm	3 per day

3 Zone Programmer PS



For use with: RFR | RFC | EMBER
Programming Mode: 5/2d - 7d - 24h



Add a GW01 to upgrade to EMBER App Control

PRODUCT CODE	NUMBER OF CHANNELS	SWITCH OUTPUT	BACKPLATE TYPE
R37-RF	3	230Vac SPDT	8 pin

SWITCH RATING	MAX AMBIENT TEMP RANGE	SCREEN DIMENSION	OPERATING PERIODS
3(1)A 230Vac	0 ... 50°C	100 x 35mm	3 per day

4 Zone Programmer PS



For use with: RFR | RFC | EMBER
Programming Mode: 5/2d - 7d - 24h



Add a GW01 to upgrade to EMBER App Control

PRODUCT CODE	NUMBER OF CHANNELS	SWITCH OUTPUT	BACKPLATE TYPE
R47-RF	4	230Vac SPST	8 pin

SWITCH RATING	MAX AMBIENT TEMP RANGE	SCREEN DIMENSION	OPERATING PERIODS
3(1)A 230Vac	0 ... 50°C	100 x 35mm	3 per day

RF Thermostats & WiFi Gateways

RF Room Thermostat PS



Mounting Type:
wall or free standing



PRODUCT CODE	TYPE	TEMP RANGE	FOR USE WITH
RFR	Room thermostat with boost button	5 ... 35°C	R_7-RF & EMBER
RFRB	Room thermostat with on/off button	5 ... 35°C	R_7-RF & EMBER

RF RANGE	AMBIENT TEMP RANGE	DIMENSIONS	POWER SUPPLY
Max 30m	0 ... 50°C	86 x 86 x 25mm	2 x AAA (incl.)

RF Cylinder Thermostat PS



PRODUCT CODE	TYPE	TEMP RANGE	FOR USE WITH
RFC	Cylinder thermostat with boost button	10 ... 90°C	R_7-RF & EMBER

RF RANGE	AMBIENT TEMP RANGE	DIMENSIONS	POWER SUPPLY
Max 30m	0 ... 50°C	86 x 86 x 25mm	2 x AAA (incl.)



PRODUCT CODE	TYPE	TEMP RANGE	FOR USE WITH
RFCDBS	Cylinder thermostat with Hardwired Hi Limit Thermostat	10 ... 90°C	R_7-RF & EMBER

Specifically for unvented cylinders to comply with Part G regulations.

RF RANGE	AMBIENT TEMP RANGE	DIMENSIONS	POWER SUPPLY
Max 30m	0 ... 50°C	86 x 86 x 25mm	2 x AAA (incl.)

WiFi Gateway PS

Used to upgrade your programmer to EMBER App Control



PRODUCT CODE	TYPE	FOR USE WITH
GW01	RF/WiFi Interface	EMBER PS

RF RANGE	AMBIENT TEMP RANGE	POWER SUPPLY
Max 10m	0 ... 50°C	230Vac ±10%

WiFi Gateway TS

Used to upgrade your CP4 to EMBER App Control



PRODUCT CODE	TYPE	FOR USE WITH
GW03	RF/WiFi Interface (Dual band 2.4 / 5GHz)	EMBER TS

RF RANGE	AMBIENT TEMP RANGE	POWER SUPPLY
Max 10m	0 ... 50°C	230Vac ±10%



EMBER PS Smart Programmer Systems

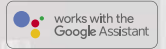


PS

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.



EMBER PS SMART HEATING CONTROL - PACK GUIDE



R17-RF
1 Zone
Timeswitch



R27-RF
2 Zone
Programmer



R37-RF
3 Zone
Programmer



R47-RF
4 Zone
Programmer



RFR
Room
Thermostat



RFC
Cylinder
Thermostat



GW01
Gateway



	R17-RF 1 Zone Timeswitch	R27-RF 2 Zone Programmer	R37-RF 3 Zone Programmer	R47-RF 4 Zone Programmer	RFR Room Thermostat	RFC Cylinder Thermostat	GW01 Gateway
EMBER PS01	1				1		1
EMBER PS01a	1						1
EMBER PS02		1			1		1
EMBER PS03		1			2		1
EMBER PS04		1			1	1	1
EMBER PS04a		1					1
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
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

www.ephcontrols.com/range/ember-ps



CP4



Programmable RF Thermostat & Receiver

PRE-PAIRED
Components

- Boost Function
- Holiday Mode
- Battery Operated
- Keypad Lock
- Portable or Wall Mounted

ErP Class V
+3%

When one thermostat is fitted in conjunction with a modulating boiler

ErP Class VIII
+5%

When three thermostats are fitted in conjunction with a modulating boiler



USER FRIENDLY

User centered design is the key of CP4's development. With a large LCD and ergonomically shaped buttons, they are designed for easy use in the dark or for people with impaired vision.



PROGRAMMABLE

Allows flexible control by the users. Options available include 7 day, weekdays/weekend, or 24 hours. You can also choose to boost for 1 hour and a holiday mode is available for when you are away.



CONTEMPORARY

A comfortable and visually friendly interior is important to every home. Our designers have created this new sleek pure white casing, to be versatile and suit all interiors.

BOILER PLUS



EASY INSTALLATION

The thermostat & receiver are pre-paired for your installer. As soon as the receiver is wired to your boiler, its ready to go.



COST EFFECTIVE

Reduce your energy bills with time and temperature control of your heating & hot water - anywhere.



MULTI ZONE

Control up to 6 zones via OpenTherm® by adding more thermostats. Hot water control is also possible with addition of CP4-HW-OT to the system.





CP4i Smart thermostat



The CP4i Smart Thermostat is the perfect combination of simplicity and technology. The thermostat, receiver and gateway are pre-paired during production to ensure a quick and easy installation.

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



PRE-PAIRED
Components

EMBER TS SMART HEATING CONTROL - PACK GUIDE



CP4



CP4-HW-OT



GW03



CP4i	1		1
EMBERTS01	1	1	1
EMBERTS02	2		1
EMBERTS03	2	1	1
EMBERTS04	3		1
EMBERTS05	3	1	1
EMBERTS06	4		1
EMBERTS07	4	1	1
EMBERTS08	5		1
EMBERTS09	5	1	1
EMBERTS10	6		1

BOILER PLUS



OpenTherm®



EASY INSTALLATION

Thermostat, receiver and gateway have pre-paired RF connections making installation quick and easy.



MULTIPLE CONTROL

Control multiple homes and add multiple users at the touch of a button via your smartphone.



ALEXA VOICE CONTROL

With Alexa, you can control your heating system, check temperatures, boost zones and much more.



OPENTHERM®

Modulate your OpenTherm® boiler for maximum efficiency and minimum impact on our environment.



MULTI ZONE

Control up to 6 zones in a home by adding more thermostats. Hot water control is also available with CP4-HW-OT thermostat.



COST EFFECTIVE

Reduce your energy bills with time and temperature control of your heating & hot water - anywhere.



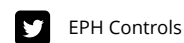
CONVENIENT

Whether at home or abroad, easy control of your heating system is in the palm of your hand.



PROGRAMMABLE

Allows flexible control by the users via the hardware or the EMBER App. Time & temperature can be programmed for 6 periods per day.



RF Room / Cylinder Thermostats

Smart Thermostat, Receiver & Gateway TS



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



PRODUCT CODE	COMPONENTS	TEMP RANGE	SWITCH OUTPUT
CP4i	RFRP-OT, RF1A-OT & GW03 (Dual band 2.4 / 5GHz)	5 ... 35°C	SPDT Volt Free

SENSOR TYPE	SWITCH RATING	FEATURE	PROGRAMMING MODE
NTC100K	10A 230Vac	Optimum Start & TPI	5/2 Day, 7 Day, 24Hr

Programmable RF Thermostat & Receiver TS

Add a GW03 to upgrade to EMBER App Control



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



PRODUCT CODE	COMPONENTS	TEMP RANGE	SWITCH OUTPUT
CP4	RFRP-OT & RF1A-OT	5 ... 35°C	SPDT Volt Free
CP4-HW-OT	RFRP-HW-OT & RF1A-OT	10 ... 90°C	SPDT Volt Free

SENSOR TYPE	SWITCH RATING	FEATURE	PROGRAMMING MODE
NTC100K	10A 230Vac	Optimum Start & TPI	5/2 Day, 7 Day, 24Hr

RF Thermostat & Receiver



ErP Class I = 1%



PRODUCT CODE	COMPONENTS	SWITCH RATING	SWITCH OUTPUT
CombiPack3	RFRA & RF1	10A 230Vac	SPDT Volt Free

SENSOR TYPE	TEMP RANGE	ON/OFF BUTTON
NTC10K	5 ... 35°C	Yes






RF Cylinder Thermostat & Receiver



PRODUCT CODE	COMPONENTS	SWITCH RATING	SWITCH OUTPUT
RFCP	RFCA & RF1	10A 230Vac	SPDT Volt Free

SENSOR TYPE	TEMP RANGE	ON/OFF BUTTON
NTC10K	10 ... 90°C	Yes

Combi Thermostats You asked and we have delivered

	CP4B	CP4M	CP4	CP4-HW-OT	CP4 i
					
Wireless			✓	✓	✓
Battery Powered	✓		✓	✓	✓
Hardwired		✓			
Smart / App Control			✓	✓	✓
Boiler Plus Compliant	✓	✓	✓	✓	✓
OpenTherm®	✓	✓	✓	✓	✓
5 Years Warranty	✓	✓	✓	✓	✓
Boost Function	✓	✓	✓	✓	✓
Service Interval	✓	✓			
Industry Standard Backplate	✓	✓			

ErP Class **IV** | +2%

Standard installation connected via TPi

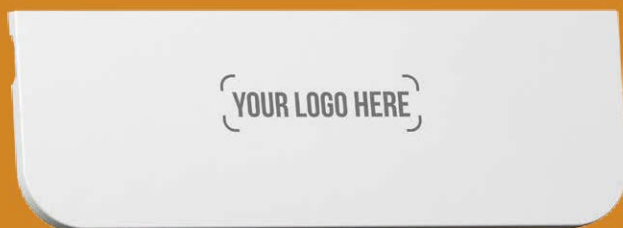
ErP Class **V** | +3%

When used with OpenTherm®

ErP Class **VIII** | +5%

When 3 or more are fitted and connected via OpenTherm®

Order your branded flaps >
with your contact details on the inside.



ErP Class **V**
+3%

 OpenTherm®

 **BOILER PLUS**

WARRANTY
5 Years
STANDARD

TR1 TR2



2 Way RF Transceiver Pack

Wireless Boiler Interlock



2 Way RF Communication | Meets Building Regulations | Saves Time and Materials

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.

RF Transceiver



PRODUCT CODE	TYPE	CONTACT RATING	MOUNTING TYPE
TR1TR2	Transceiver	10(3)A 230Vac	Wall
RF RANGE	AMBIENT TEMP RANGE	DIMENSION	POWER SUPPLY
Max 30m	0-50°C	84 x 84 x 30mm	230Vac ±10%

RF Heating Control Packs

Y Plan RF Heating Control Pack PS



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTAT		WIRING CENTRE
CR22PRF	R27-RF	B322PF	RFR	RFC	WC2
CR28PRF	R27-RF	B328PF	RFR	RFC	WC2



S Plan RF Heating Control Pack PS



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTAT		WIRING CENTRE
CR222PRF	R27-RF	V222P x 2	RFR	RFC	WC2
CR228PRF	R27-RF	V228P x 2	RFR	RFC	WC2



S Plan RF Unvented Heating Control Pack PS



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



S Plan RF Heating Control Pack with Hardwired Cylinder Thermostat PS



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTAT		WIRING CENTRE
CRF2P-221221	R27-RF	V222P x 2	RFR	WRP	WC2



2 Zone Combi Zoning RF Control Pack PS



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTAT		WIRING CENTRE
CRF2P-222201	R27-RF	V222P x 2	RFR x 2	-	WC2





3 Zone RF Heating Control Pack PS



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTAT		WIRING CENTRE
CR322PRF	R37-RF	V222P x 3	RFR x 2	RFC	WC2
CR328PRF	R37-RF	V228P x 3	RFR x 2	RFC	WC2

3 Zone RF Unvented Heating Control Pack PS



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTAT		WIRING CENTRE
CR322PURF	R37-RF	V222P x 2	RFR x 2	-	WC2
CR328PURF	R37-RF	V228P x 2	RFR x 2	-	WC2

3 Zone RF Heating Control Pack with Hardwired Cylinder Thermostat PS



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTAT		WIRING CENTRE
CRF3P-32221	R37-RF	V222P x 3	RFR x 2	WRP	WC2

3 Zone Combi Zoning RF Control Pack PS



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTAT		WIRING CENTRE
CRF3P-323201	R37-RF	V222P x 3	RFR x 3		WC2

4 Zone RF Heating Control Pack PS



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTAT		WIRING CENTRE
CR422PRF	R47-RF	V222P x 4	RFR x 3	RFC	WC2
CR428PRF	R47-RF	V228P x 4	RFR x 3	RFC	WC2

4 Zone RF Unvented Heating Control Pack PS



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTAT		WIRING CENTRE
CR422PURF	R47-RF	V222P x 3	RFR x 3		WC2
CR428PURF	R47-RF	V228P x 3	RFR x 3		WC2

Wiring Centre 10 Zone 230V



NEW

PRODUCT CODE	POWER SUPPLY	NO. OF ZONES	PROGRAMMER INPUTS
UFH10	230Vac, ±10%	10	4



CONTACT RATING	UFH/RAD+HW SWITCHES	HEAT ENABLE OUTPUT	UFH PUMP OUTPUT
5A	2	Volt Free	230V~

UFH10 is compatible with the following thermostats

Mechanical Thermostats



CM2



CM3



CMT



CM2S



CM3S

Programmable Thermostats



CDTP2



CRTP2



RDTP



CP4B



CP4M

Non Programmable Thermostats



CDT2



CRT2



RDT



HDT



HRT

Cylinder Thermostats



EDBS



WRP



WRP-TP



WRP-IM



WRP-IM-TP

Dial Thermostat with Setback Function



NEW

ErP Class IV = 2%
Delay start & On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
HDT	230Vac ± 10%	7A 230V	SPST
HRT	2 x AA Batteries (Incl)	8A 230v	SPST
SENSOR TYPE	TEMP RANGE	ADJ. SWITCHING DIFFERENTIAL	SPECIAL FUNCTION
NTC100K	5 ... 35°C	0 ... 1.0°C	Delay Start / TPI / Setback Function

Recessed Programmable Thermostat



NEW

ErP Class IV = 2%



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	SWITCH OUTPUT
RDTP	230Vac ±10%	10(3)A 230Vac	SPDT Volt Free
SENSOR TYPE	TEMP RANGE	ADJ. SWITCHING DIFFERENTIAL	SPECIAL FUNCTION
NTC 100K Internal	5...35°C	0 ... 1.0°C	Optimum Start / TPI / Remote Sensor Compatible

ACCESSORIES CODE	DESCRIPTION
NTC 10K	NTC 10K Cable Sensor, 1.5M
NTC Housing	Cable Sensor Housing

Recessed Thermostat with Setback Function



NEW

ErP Class IV = 2%
Delay start & On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
RDT	230Vac ± 10%	10 (3)A 230v	SPDT
SENSOR TYPE	TEMP RANGE	ADJ. SWITCHING DIFFERENTIAL	SPECIAL FUNCTION
NTC100K	5 ... 35°C	0 ... 1.0°C	Delay Start / TPI / Setback Function

Surface Mounted Programmable Thermostat



ErP Class V = 3% On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
CP4M	230Vac ±10%	8A 230Vac	SPDT Volt Free

SENSOR TYPE	TEMP RANGE	ADJUSTABLE SWITCHING DIFFERENTIAL	PROGRAMMING MODE
NTC100K	5 ... 35°C	0.2 ... 1.0°C	5/2d - 7d - 24h



NEW

ErP Class IV = 2% On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
CDTP2	230Vac ±10%	8A 230Vac	SPDT Volt Free

SENSOR TYPE	TEMP RANGE	ADJUSTABLE SWITCHING DIFFERENTIAL	PROGRAMMING MODE
NTC100K	5 ... 35°C	0.2 ... 1.0°C	5/2d - 7d - 24h



ErP Class V = 3% On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
CP4B	2 x AA Batteries (Incl.)	7A 230Vac	SPDT Volt Free

SENSOR TYPE	TEMP RANGE	ADJUSTABLE SWITCHING DIFFERENTIAL	PROGRAMMING MODE
NTC100K	5 ... 35°C	0.2 ... 1.0°C	5/2d - 7d - 24h



NEW

ErP Class IV = 2% On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
CRTP2	2 x AA Batteries (Incl.)	8A 230Vac	SPDT

SENSOR TYPE	TEMP RANGE	ADJUSTABLE SWITCHING DIFFERENTIAL	PROGRAMMING MODE
NTC100K	5 ... 35°C	0.2 ... 1.0°C	5/2d - 7d - 24h

Surface Mounted Thermostat



NEW

ErP Class IV = 2%
Delay start & On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
CDT2	230Vac ±10%	7A 230Vac	SPDT Volt Free
CDT2-24	24Vac ±10%	7A 24Vac	SPDT Volt Free

SENSOR TYPE	TEMP RANGE	ADJUSTABLE SWITCHING DIFFERENTIAL
NTC100K	5 ... 35°C	0.2 ... 1.0°C



NEW

ErP Class IV = 2%
Delay start & On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
CRT2	2 x AA Batteries (Incl.)	8A 230Vac	SPDT Volt Free

SENSOR TYPE	TEMP RANGE	ADJUSTABLE SWITCHING DIFFERENTIAL
NTC100K	5 ... 35°C	0.2 ... 1.0°C

Thermal Actuator



PRODUCT CODE	POWER SUPPLY	ACTUATOR TYPE	RUNNING TIME	AUXILIARY SWITCH
TA24	24Vac	Normally Open or Closed	4.5 min	-
TA230	230Vac	Normally Open or Closed	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	M30x1.5

Immersion Controller



PRODUCT CODE	POWER SUPPLY	SWITCH OUTPUT	BOOST OPTIONS
IMC	230Vac, 50Hz	230Vac SPST	30mins / 1hr / 2hr / 3hr

CONTACT RATING	OPERATING PERIODS	DIMENSION	MAX AMBIENT TEMP RANGE
16A Resistive	3 per day	170x116x63 mm	0 ... 45°C



Digital Cylinder / Room Thermostat



NEW

Cylinder or Room thermostat with remote probe sensor

PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
CDC	230Vac ± 10%	16A 230Vac	SPDT

SENSOR TYPE	TEMP RANGE	ADJ. SWITCHING DIFFERENTIAL	SPECIAL FUNCTION
NTC 10K External only	5...90°C / 5...35°C	0...20°C / 0...1°C	Delay Start and TPI for heating function



ACCESSORIES CODE	DESCRIPTION
NTC 10K	NTC 10K Cable Sensor, 1.5M

Digital Cylinder Thermostat with High Limit



Built-in Legionaires function



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
EDBS	230Vac ± 10%	8A 230Vac	SPDT Volt Free

SENSOR TYPE	TEMP RANGE	ADJUSTABLE SWITCHING DIFFERENTIAL
NTC10K	10 ... 90°C	0 ... 20°C

Electronic Boost Timer



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	MAX LOAD
BST3	230Vac ± 10%	16A 230Vac	3 Kw

TIME PERIOD
15min, 30min, 1hr, 2hr & 3hr



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



DS222P 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
DS222P	22mm compression	4.6 kvs	1.0 bar	Yes
V228P	28mm compression	6.8 kvs	0.6 bar	No

SWITCH 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
V222FP	3/4" female BSP	4.6 kvs	1.0 bar
V228FP	1" female BSP	6.8 kvs	0.6 bar
V232FP	1 1/4" female BSP	8.0 kvs	0.3 bar

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



3 Port Mid Position & Diverter Valve - Compression



B32_P c/w
Detach cable

PRODUCT CODE	CONNECTION TYPE	FLOW RATE	MAX. CLOSE OFF PRESSURE
B322PF	22mm compression	4.6 kvs	1.6 bar (A) 1.2 bar (B)
B328PF	28mm compression	6.8 kvs	1.2 bar (A) 0.8 bar (B)

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



Replacement Actuator

DETACH PRO ▶



A1P & C1P c/w
Light
Detach cable
Detach button



DS1P & M1P c/w
Light
Detach cable



D1PF c/w
Detach cable



PRODUCT CODE	SWITCH RATING	REPLACEMENT FOR MODEL		
A1P	11(3)A 230Vac	2 Port	EPH V type	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	
M1P	11(3)A 230Vac	2 Port	Myson MPE22 Myson MCZV2 3/4	Myson MPE28 Myson MCZV21
D1PF	5(2)A 230Vac	3 Port	EPH B322P / B328P Honeywell V407	EPH B322PF / B328PF Horstmann Z322 / Z328

MAX AMBIENT TEMP. MAX FLUID TEMP

50 °C 88 °C

Accessories



PRODUCT CODE	CABLE HARNESS FOR
CH25	2 port 5 wire actuators
CH26	2 port 6 wire actuators
CH35	3 port 5 wire actuators

Cable harness to convert Detach actuator to Detach Pro actuator.

PRODUCT CODE	DESCRIPTION
DP5M	5 Metre Detach cable for 2 port 5 wire actuators



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)

MAX AMBIENT TEMP MAX FLUID TEMP

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)

SWITCH RATING MAX AMBIENT TEMP MAX FLUID TEMP

5(2)A 230Vac 50 °C 88 °C



Programmiers

1 Zone Timeswitch



PRODUCT CODE	NUMBER OF ZONES	SWITCH OUTPUT	SCREEN DIMENSIONS
A17	1	Volt Free	48 x 23 mm



PRODUCT CODE	NUMBER OF ZONES	SWITCH OUTPUT	SCREEN DIMENSIONS
R17	1	Volt Free	100 x 35 mm

SWITCH RATING	AMBIENT TEMP	BACKPLATE	OPERATING PERIODS	PROGRAMMING MODE
3(1)A 230Vac	0 ... 50°C	6 pin	3 per day	5/2d - 7d - 24h

2 Zone Programmer



PRODUCT CODE	NUMBER OF ZONES	SWITCH OUTPUT	SCREEN DIMENSIONS
A27-HW	2	230Vac	48 x 23 mm



PRODUCT CODE	NUMBER OF ZONES	SWITCH OUTPUT	SCREEN DIMENSIONS
R27	2	230Vac	100 x 35 mm
R27-HW	2	230Vac	100 x 35 mm
R27-VF	2	Volt Free	100 x 35 mm

SWITCH RATING	AMBIENT TEMP	BACKPLATE	OPERATING PERIODS	PROGRAMMING MODE
3(1)A 230Vac	0 ... 50°C	6 pin	3 per day	5/2d - 7d - 24h

3 Zone Programmer



PRODUCT CODE	NUMBER OF ZONES	SWITCH OUTPUT	SCREEN DIMENSIONS
R37	3	230Vac	100 x 35 mm
R37-HW	3	230Vac	100 x 35 mm

SWITCH RATING	AMBIENT TEMP	BACKPLATE	OPERATING PERIODS	PROGRAMMING MODE
3(1)A 230Vac	0 ... 50°C	8 pin	3 per day	5/2d - 7d - 24h

4 Zone Programmer



PRODUCT CODE	NUMBER OF ZONES	SWITCH OUTPUT	SCREEN DIMENSIONS
R47	4	230Vac	100 x 35 mm

SWITCH RATING	AMBIENT TEMP	BACKPLATE	OPERATING PERIODS	PROGRAMMING MODE
3(1)A 230Vac	0 ... 50°C	8 pin	3 per day	5/2d - 7d - 24h

Mechanical Room Thermostats

Thermostat



ErP Class I - 1%

*CM2 Combi Stat



PRODUCT CODE	SWITCH RATING	ANTICIPATOR	INDICATOR LIGHT
CM2*	10(3)A 230 & 24Vac	-	-
CM3	10(3)A 230Vac	Yes	Yes
CM3 - 24	12(4)A 24Vac	Yes	Yes
CONTACT TYPE	TEMP RANGE	IP RATING	SWITCHING DIFFERENTIAL
SPDT	5 ... 35°C Limitable	IP20	±1°C

Frost Thermostat



ErP Class I - 1%



PRODUCT CODE	SWITCH RATING	CONTACT TYPE	INDICATOR LIGHT
CMF	10(3)A 230Vac	SPDT	Yes
TEMPERATURE RANGE	TEMP RANGE	IP RATING	SWITCHING DIFFERENTIAL
Limitable	-5 ... 15°C	IP20	±1°C

Tamperproof Thermostat



ErP Class I - 1%



PRODUCT CODE	SWITCH RATING	CONTACT TYPE	INDICATOR LIGHT
CMT	10(3)A 230 & 24Vac	SPDT	-
TEMPERATURE RANGE	TEMP RANGE	IP RATING	SWITCHING DIFFERENTIAL
Limitable	5 ... 35°C	IP20	±1°C

Thermostat with On/Off Switch



ErP Class I - 1%



PRODUCT CODE	SWITCH RATING	ON/OFF SWITCH	INDICATOR LIGHT
CM2S	10(3)A 230 & 24Vac	Yes	-
CM3S	10(3)A 230Vac	Yes	Yes
CONTACT TYPE	TEMP RANGE	IP RATING	SWITCHING DIFFERENTIAL
SPDT	10 ... 30°C	IP20	±1°C

Intermediate Plate



PRODUCT CODE	DIMENSIONS
SMB	95 x 95 mm
FOR USE WITH PRODUCTS	
CM2, CM3, CM3-24, CMF, CMT, CDT2, CDT2-24, CRT2, CDT2P, CRTP2.	

Mechanical Pipe / Cylinder Thermostats

Pipe / Cylinder Thermostat



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

Immersion Thermostat



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

Dual Thermostat with Manual Reset



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

Outside Frost Thermostat



PRODUCT CODE	DESCRIPTION	SWITCH RATING	TEMP RANGE
C10C2RIYS1	Internal Setpoint Adj.	15(2.5)A 230Vac	-35°C ... 20°C
SWITCH OUTPUT	MAX. AMBIENT TEMP		
SPDT Volt Free	50°C		

Frost Thermostat Controller



PRODUCT CODE	DESCRIPTION	SWITCH RATING	TEMP RANGE
EPH-FSC	Frost stat controller	8A 230Vac	-
SWITCH OUTPUT	MAX. AMBIENT TEMP		
SPDT Volt Free	50°C		

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

Surface Mounted Thermostat



NEW

ErP Class IV = 2%
Delay start & On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
CDT2	230Vac ±10%	7A 230Vac	SPDT Volt Free
CDT2-24	24Vac ±10%	7A 24Vac	SPDT Volt Free

SENSOR TYPE	TEMP RANGE	ADJ. SWITCHING DIFFERENTIAL
NTC100K	5 ... 35°C	0.2 ... 1.0°C



NEW

ErP Class IV = 2%
Delay start & On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
CRT2	2 x AA Batteries (Incl.)	8A 230Vac	SPDT Volt Free

SENSOR TYPE	TEMP RANGE	ADJ. SWITCHING DIFFERENTIAL
NTC100K	5 ... 35°C	0.2 ... 1.0°C

Dial Thermostat with Setback Function



NEW

ErP Class IV = 2%
Delay start & On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
HDT	230Vac ± 10%	7A 230Vac	SPST
HRT	2 x AA Batteries (Incl.)	8A 230Vac	SPST

SENSOR TYPE	TEMP RANGE	ADJ. SWITCHING DIFFERENTIAL	SPECIAL FUNCTION
NTC100K	5 ... 35°C	0 ... 1.0°C	Delay Start / TPI / Setback Function

Recessed Thermostat with Setback Function



NEW

ErP Class IV = 2%
Delay start & On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
RDT	230Vac ± 10%	10 (3)A 230Vac	SPDT

SENSOR TYPE	TEMP RANGE	ADJ. SWITCHING DIFFERENTIAL	SPECIAL FUNCTION
NTC100K	5 ... 35°C	0 ... 1.0°C	Delay Start / TPI / Setback Function

Programmable Room Thermostats

Surface Mounted Programmable Thermostat



ErP Class V= 3% On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
CP4M	230Vac ±10%	8A 230Vac	SPDT Volt Free

SENSOR TYPE	TEMP RANGE	ADJ. SWITCHING DIFFERENTIAL	PROGRAMMING MODE
NTC100K	5 ... 35°C	0.2 ... 1.0°C	5/2d - 7d - 24h



NEW

ErP Class IV = 2% On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
CDTP2	230Vac ±10%	8A 230Vac	SPDT Volt Free

SENSOR TYPE	TEMP RANGE	ADJ. SWITCHING DIFFERENTIAL	PROGRAMMING MODE
NTC100K	5 ... 35°C	0.2 ... 1.0°C	5/2d - 7d - 24h



ErP Class V= 3% On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
CP4B	2 x AA Batteries (Incl.)	7A 230Vac	SPDT Volt Free

SENSOR TYPE	TEMP RANGE	ADJ. SWITCHING DIFFERENTIAL	PROGRAMMING MODE
NTC100K	5 ... 35°C	0.2 ... 1.0°C	5/2d - 7d - 24h



ErP Class IV = 2% On / Off control



PRODUCT CODE	POWER SUPPLY	SWITCH RATING	CONTACT TYPE
CRTP2	2 x AA Batteries (Incl.)	8A 230Vac	SPDT

SENSOR TYPE	TEMP RANGE	ADJ. SWITCHING DIFFERENTIAL	PROGRAMMING MODE
NTC100K	5 ... 35°C	0.2 ... 1.0°C	5/2d - 7d - 24h

Recessed Programmable Thermostat



NEW

ErP Class IV = 2%



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

SENSOR TYPE	TEMP RANGE	ADJ. SWITCHING DIFFERENTIAL	SPECIAL FUNCTION
NTC 100K Internal	5...35°C	0 ... 1.0°C	Optimum Start / TPI / Remote Sensor Compatible

ACCESSORIES CODE	DESCRIPTION
NTC 10K	NTC 10K Cable Sensor, 1.5M
NTC Housing	Cable Sensor Housing



Design your control pack
by scanning this QR code



Introducing
2 Zone
New build
Heating
Control Packs



NEW BUILD PACK C00P-222A01



2x CP4M
Mains Operated
Programmable Thermostats



2x V222P
2 Port 22mm
Motorised Valves



1x WC2
12 Way
Wiring Centre

NEW BUILD PACK C00P-222B01



2x CP4B
Battery Powered
Programmable Thermostats



2x V222P
2 Port 22mm
Motorised Valves



1x WC2
12 Way
Wiring Centre

Heating Control Packs

Y Plan Heating 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-HW	B322PF	CM2	WRP	WC2
CR28P	R27-HW	B328PF	CM2	WRP	WC2



1 Zone Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTATS		WIRING CENTRE
CR1P-222101	R17	V222P x 2	RDTP x 2	-	WC2
CR1P-282301	R17	DS222P x 2	CM3 x 2	-	WC2
CR1P-231901 (CP-GEG03)	R17	V228P	CP4	-	WC2



S Plan Heating Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	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 VALVE	THERMOSTATS		WIRING CENTRE
CR222P	R27-HW	V222P x 2	CM2	WRP	WC2
CR228P	R27-HW	V228P x 2	CM2	WRP	WC2



2 Zone Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTATS		WIRING CENTRE
CR2P-221311	R27-HW	V222P x 2	CM3	WRP	WC2
CR2P-221341	R27-HW	V222P x 2	CM3	WRP-IM-TP	WC2
CR2P-221351	R27-HW	V222P x 2	CM3	WRP-TP	WC2
CR2P-281211	R27-HW	DS222P x 2	CM2	WRP	WC2
CR2P-282301	R27-HW	DS222P x 2	CM3	-	WC2





S Plan Unvented Heating Control Pack



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



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTATS		WIRING CENTRE
CR222PU	R27-HW	V222P	CM2	-	WC2
CR228PU	R27-HW	V228P	CM2	-	WC2



2 Zone Combi Zoning Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	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
C00P-222901	-	V222P x 2	CP4 x 2	-	WC2
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	-	-
C00P-282B01	-	DS222P x 2	CP4B x 2	-	WC2



Pictures for reference only, thermostats will differ in packs.



CR5P-222201	R27	V222P x 2	CM2 x 2	-	WC2
CR5P-222301	R27	V222P x 2	CM3 x 2	-	WC2
CR5P-282201	R27	DS222P x 2	CM2 x 2	-	WC2
CR5P-282301	R27	DS222P x 2	CM3 x 2	-	WC2
CR5P-282401	R27	DS222P x 2	CDT2 x 2	-	WC2



Heating Control Packs Continued

3 Zone Heating Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTATS	WIRING CENTRE	
CR322P	R37-HW	V222P x 3	CM2 x 2	WRP	WC2
CR328P	R37-HW	V228P x 3	CM2 x 2	WRP	WC2

PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTATS	WIRING CENTRE	
CR3P-222301	R37-HW	V222P x 2	CM3 x 2	-	WC2
CR3P-282301	R37-HW	DS22P x 2	CM3 x 2	-	WC2
CR3P-282401	R37-HW	V222P x 2	CDT2 x 2	-	WC2
CR3P-322301	R37-HW	V222P x 3	CM3 x 2	-	WC2
CR3P-382211	R37-HW	DS222P x 3	CM2 X 2	WRP	WC2



3 Zone Unvented Heating Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTATS	WIRING CENTRE	
CR322PU	R37-HW	V222P x 2	CM2 x 2	-	WC2
CR328PU	R37-HW	V228P x 2	CM2 x 2	-	WC2



3 Zone Combi Zoning Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	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
CR6P-323201	R37	V222P x 3	CM2 x 3	-	WC2
CR6P-323301	R37	V222P x 3	CM3 x 3	-	WC2



Pictures for reference only, thermostats will differ in packs.





4 Zone Heating Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTATS		WIRING CENTRE
CR422P	R47	V222P x 4	CM2 x 3	WRP	WC2
CR428P	R47	V228P x 4	CM2 x 3	WRP	WC2



4 Zone Unvented Heating Control Pack



PRODUCT CODE	PROGRAMMER	MOTORISED VALVE	THERMOSTATS		WIRING CENTRE
CR422PU	R47	V222P x 3	CM2 x 3	-	WC2
CR428PU	R47	V228P x 3	CM2 x 3	-	WC2



Wiring Centres

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
WCC	PCB c/w Screw Terminals	2 or 3 Zone System (Heat only)
WCD	PCB c/w Screw Terminals **	S-Plan or 3 Zone System Separate Hot Water and Heating outputs.

** Suitable for Boiler with Weather Compensation.



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



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

Reduced Mobility Accessory



BOX QTY
50

PRODUCT CODE	DESCRIPTION
RMA	Reduced Mobility Accessory for EPH TRVs

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
75

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

10mm Reducer



BOX QTY
1000

PRODUCT CODE	DESCRIPTION	PACK QUANTITY
RED10	10mm Reducer	20 pieces

TRV Body - 15mm Compression



BOX QTY
50

PRODUCT CODE	CONNECTION TYPE	BI DIRECTIONAL
TRVB15	15mm Compression	Yes

Max. Differential Pressure: 0.6 bar

Thermal Actuator



For use with: TRVB15

BOX QTY
100



PRODUCT CODE	POWER SUPPLY	ACTUATOR TYPE	RUNNING TIME	AUXILIARY SWITCH
TA24	24Vac	Normally Open or Closed	4.5 min	-
TA230	230Vac	Normally Open or Closed	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	M30x1.5

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

Thermostatic Mixing Valves

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	



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 = CDC	2 = WC3
CR	1P = R17	-	3 = 3	3 = V228P	3 = 3	3 = CM3	3 = WRP-IM	3 = WCA
CR	2P = R27-HW	-	4 = 4	4 = V222FP	4 = 4	4 = CDT2	4 = WRP-IM-TP	4 = WCB
CR	3P = R37-HW	-		5 = V228FP		5 = CMT	5 = WRP-TP	5 = WCC
CR	4P = R47	-		6 = B322PF		6 = CRT2	6 = DBS	6 = WCD
CR	5P = R27	-		7 = B328PF		7 = CDTP2	7 = EDDBS	
CR	6P = R37	-		8 = DS222P		8 = CRTP2		
						9 = CP4		
						A = CP4M		
						B = CP4B		
						C = HRT		
						D = HDT		
						E = RDT		

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-RF	-	1 = 1	1 = V221P	1 = 1	2 = RFR	1 = RFC	1 = WC2
CRF	2P = R27-RF	-	2 = 2	2 = V222P	2 = 2	3 = CM2	2 = WRP	2 = WC3
CRF	3P = R37-RF	-	3 = 3	3 = V228P	3 = 3	4 = CM3	3 = WRP-IM	3 = WCA
CRF	4P = R47-RF	-	4 = 4	4 = V222FP	4 = 4	5 = RFRB	4 = WRP-IM-TP	4 = WCB
				5 = V228FP			5 = WRP-TP	5 = WCC
				6 = B322PF			6 = DBS	6 = WCD
				7 = B328PF			7 = RFCDBS	
				8 = DS222P			8 = EDDBS	
							9 = CDC	
							A = CP4-HW-OT	

Iconography

- | | | |
|---------------------|-----------------------------|-----------------------|
| 3 On/Off periods | EMBER App Compatible | Mains operated |
| 5 year warranty | Frost protection | Max 30M distance |
| Battery operated | Indicator light | Motor made in USA |
| Cable sensor | Keypad lock | Open Therm |
| Detachable actuator | Limitable temperature range | Legionnaires function |

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
DANFOSS	GP103E5	•	5/2		•		A17 / R17
DANFOSS	GP103E7	•	7		•		A17 / R17
DANFOSS	TS715	•	7		•		A17 / R17
DANFOSS	TS715Si	•	7		•	•	A17 / R17
DANFOSS	TS975	•	7		•		A17 / R17
DANFOSS	SET 1E	•	1		•		A17 / R17
EPH	A17	•	1-5/2-7		•	•	
EPH	R17	•	1-5/2-7		•	•	
HONEYWELL	ST6100A1001	•	1		•		A17 / R17
HONEYWELL	ST6100C1009	•	7		•		A17 / R17
HONEYWELL	ST6100S1000	•	1		•	•	A17 / R17
HONEYWELL	ST9100A1008	•	1		•		A17 / R17
HONEYWELL	ST9100C1006	•	7		•		A17 / R17
HONEYWELL	ST9100S1007	•	1		•	•	A17 / R17
HORSTMANN	425 CORONET	•	1	•			A17 / R17
HORSTMANN	H11	•	1		•		A17 / R17
HORSTMANN	H17	•	7		•		A17 / R17
HORSTMANN	H11XL	•	1		•		A17 / R17
HORSTMANN	H17XL	•	7		•		A17 / R17
HORSTMANN	C11	•	1	•	•		A17 / R17
HORSTMANN	C17	•	7	•	•		A17 / R17
INVENSYS	TEMPUS 1	•	5/2		•		A17 / R17
INVENSYS	TEMPUS 2	•	7		•		A17 / R17
INVENSYS	LP111	•	1		•		A17 / R17
INVENSYS	LP711	•	7		•		A17 / R17
INVENSYS	LP111 Si	•	1		•	•	A17 / R17
INVENSYS	LP711 Si	•	7		•	•	A17 / R17
INVENSYS	SW.MASTER 3000	•	1	•			A17 / R17
INVENSYS	SM1	•	1	•			A17 / R17
POTTERTON	EP4000	•	1		•		A17 / R17
POTTERTON	EP4002	•	5/2		•		A17 / R17
POTTERTON	EP5002	•	7		•		A17 / R17
POTTERTON	MYSON MEP1C	•			•		A17 / R17
SIEMENS	RWB30E	•	1	•			A17 / R17
SIEMENS	RWB27	•	7		•		A17 / R17
SIEMENS	RWB7	•	7		•		A17 / R17
SUNVIC	SELECT 107	•	7		•		A17 / R17
SUNVIC	SIMPLEX 100	•	1		•	•	A17 / R17



A17



A27-HW



R17



R27-HW

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

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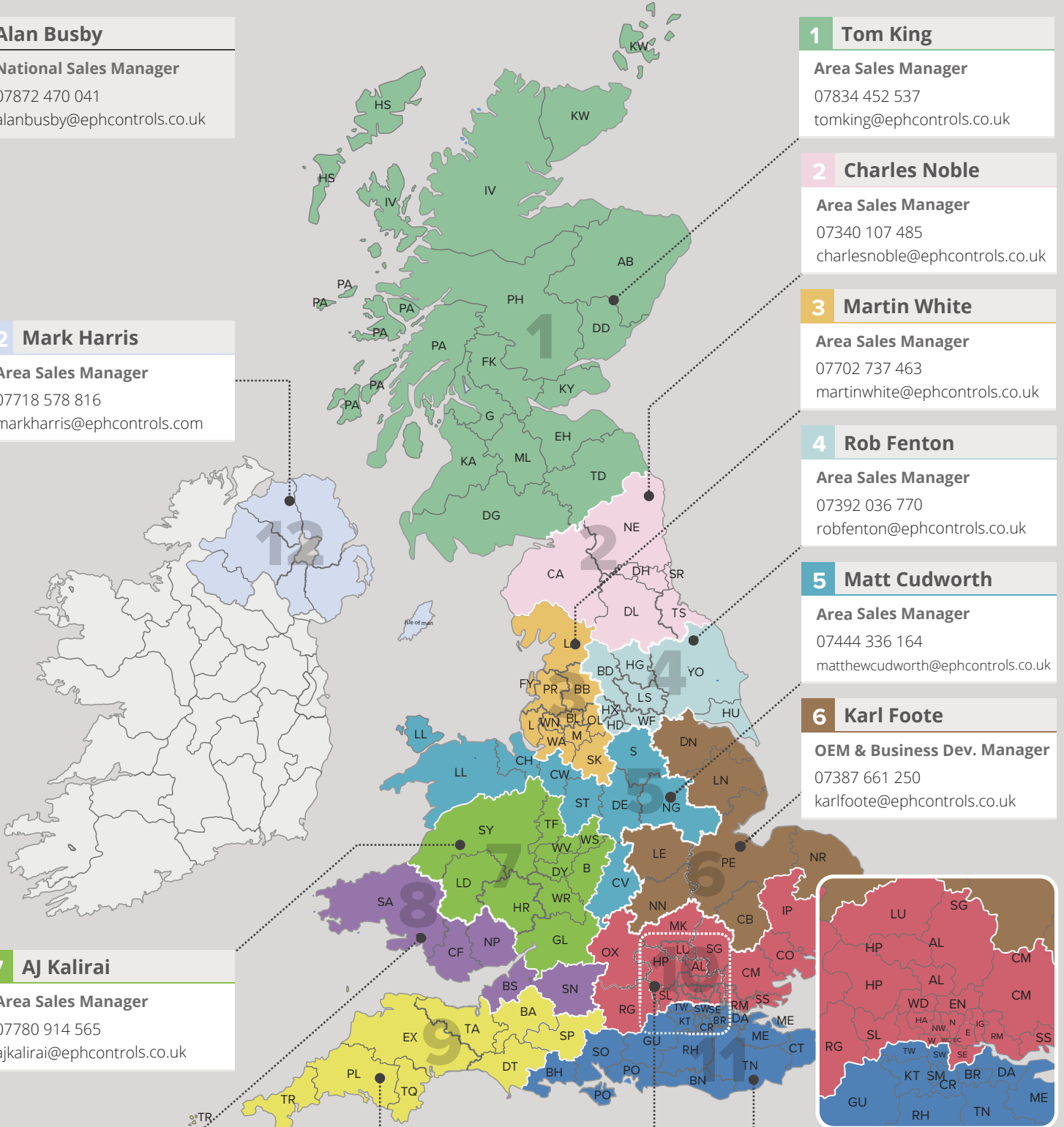
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