C1727
Smart programmer with PTD

Load compensation

Optimum start/stop

User and installer app

The C1727 is a 2-channel smart programmer that can control heat pumps, combi, and system boilers. Out of the box, it is Bluetooth and app enabled and has the option of a plug in Wi-Fi adapter to give complete smart control. The C1727 is designed to supersede the CentaurPlus and ServicePlus range of time switches and programmers by using the same wall plate with minor wiring changes, providing benefits of extra connectivity.

The C1727 can easily control a single or double heating zone, or heating and stored hot water system. You can even control the schedule of an existing wired thermostat or add extra sensors to a spare zone to give further control.

There is no hub or gateway to configure and power for remote access; simply plug the Wi-Fi card into the front slot, provide the password via the app and you will be connected.

The C1727 also includes many of the latest Boiler Plus energy-saving features, such as optimum start and stop per heating zone, as well as on-off load compensation. This significantly improves boiler efficiency by preventing short-cycling and overshooting of temperature and helps to save more energy and improve efficiency.

Applications
- Replacement for CentaurPlus and ServicePlus ranges
- Combi or system boilers and heat pumps up to 2-zones
- Central heating and hot water control
- Control the schedule of existing wired thermostats

Features
- 2 channels, 3A rated, volt free operation
- Optimum start and stop
- 6-pin backplate
- Load compensation for efficiency and comfort
- Service Interval reminder
- Installer and user app (Android and iOS)
- Local control by mobile app using Bluetooth
- Smart control via optional Wi-Fi adaptor

Benefits
- Uses standard 6-pin backplate for easier retrofits
- Click-off / Click-on with simple wiring changes for easy and quicker installation
- 12 year battery life warranty on programmable thermostat display (PTD)
- No Wi-Fi necessary for local remote control of heating via app using Bluetooth
- Boiler Plus compliant (load compensation and optimum start / stop)
- Energy Company Obligation eligible measure

7 years no quibbles warranty

BOILER PLUS COMPLIANT

Available in **iOS** & **Android** app stores

SECURE

The Secure range of smart programmers now have a variety of addons available to increase your comfort and control. These extra devices are easy to add and allow you to expand your system in your own time, from extra PTD and temperature sensors to increase the number of heating zones, to optional Wi-Fi cards that seamlessly allow remote access with minimal configuration. With no wiring required these expansions can easily be added to an existing smart programmer system with just a few clicks of the app.

Programmable thermostat display (PTD)

- Used as both a thermostat and programmer for additional heating zones with an existing smart programmer system
- Wireless battery powered
- Connects to the receiver using Bluetooth
- Load compensation as well as optimum start and stop
- Large clear display with easy-to-read information
- Can stand on a table or clip to the wall with provided wall plate

Programmable thermostat display (PTD)

Sensor

- Compact temperature sensor used to control extra heating zones
- Load compensation as well as optimum start and stop
- Wireless and powered by 2 x AAA batteries
- Simple to hang from any wall

Temperature sensor

Wi-Fi Card

- Simply slots into the front of the receiver to allow remote access to your system
- Plug and-play setup means there is no gateway or hub to configure, just plug in the adapter and enter the Wi-Fi password in the app
- Designed to make joining your system to the internet quick and easy

Wi-Fi card

7 years no quibbles warranty

SECURE

C1727

Electrical

Number of channels	2
Relay input voltage rating (CH1 and CH2)	12V to 30V DC, or 230/240V (50Hz)
Relay input/output current rating	Voltage-free c/o contacts (SPDT)
Supply (receiver)	230V / 240V AC (50Hz)
Battery specification (PTD)	Non replaceable 2x A lithium ion, 3.6V, 3600 mAh
Battery specification (temperature sensor)	**2 x AAA alkaline**
Battery life (PTD)	≈12 years
Insulation category	CAT II
Software class	Class A
Control type	Micro-interruption

Compliance

Design standards	Product Standard: EN 60730-1, EN 60730-2-9
	RED Radio: ETSI EN 300 328
	RED EMC: ETSI EN 301 489-1, ETSI EN 301 489-17
	Safety: EN 62311 :2008, EN62368-1 :2014
Erp Rating	Class IV

Mechanical

Dimensions (receiver)	91 x 153 x 32.5mm
Dimensions (PTD)	100 x 100 x 29mm
Dimensions (temperature sensor)	83 x 83 x 18mm
Weight (receiver)	161g (approx.)
Case material	Thermoplastic flame retardant
Mounting	6-pin standard wall plate

Environmental

Impulse voltage rating	Cat II 2500V
Enclosure protection	IP30
Pollution degree	Degree 2
Operating temperature range	0˚C to +40˚C
Storage temperature	-20°C to +70°C
Environmental humidity range	0 to 90%

Radio

Compliance	Bluetooth BLE compliant
Operating frequency	2.4 GHZ
RF range	~60 m, line of sight

7
years
no quibbles
warranty

SECURE