

H3747

Receiver with programmable thermostat display



Load compensation



Optimum start/stop

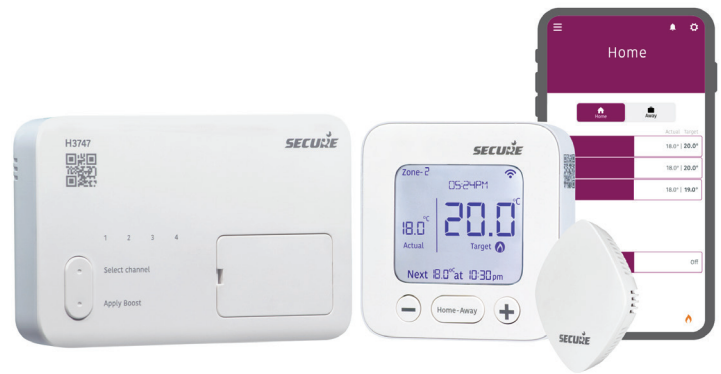


User and installer app

The new H3747 is a receiver / PTD unit (for managing up to 4 channels) which can control combi or system boilers. Out of the box it is wireless enabled and can be operated by an app. With the optional Wi-Fi adapter, it can fully control your heating system outside of the home via the app.

Ideal for replacing traditional wired controls for systems that require separate control of heating and hot water or multiple heating zones. It is compatible with standard 9-pin backplate offered with our popular ChannelPlus, the programmer range can easily replace the H37 or H47XL with only minimum wiring changes.

It includes a load compensation algorithm that significantly improves boiler efficiency by preventing short-cycling and overshooting of temperature when used with programmable thermostat display (PTD). Load compensation has been shown to save energy compared to traditional systems, while maintaining more consistent comfort levels.



Applications

- Easy replacement of timers/programmers
- Combi boiler – central heating, 4-zone system
- Central heating and hot water control
- Domestic gas or oil-fired boiler-based heating systems
- 4-channel control with local override via button

Features

- 4 channels, 3A rated, volts free operation
- Optimum start and stop
- 9-pin backplate
- Local override
- Load compensation for efficiency and comfort
- Service Interval reminder
- Installer and user app (Android and iOS)
- Local control by mobile app using wireless technology
- Remote control capability by Wi-Fi adaptor

Benefits

- Retrofit on many existing controls with convenient installation using 9-pin configurations on backplate
- 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
- Boiler Plus compliant (load compensation and optimum start / stop)
- 7 years no quibbles product warranty





Technical specifications

Electrical

Number of channels	4
Relay input voltage rating (CH1 and CH2)	12V to 30V DC, or 230/240V (50Hz)
Relay input/output current rating	3A resistive / 1A reactive (Max)
Supply (receiver)	230V / 240V AC (50Hz)
Battery specification (PTD)	Non replaceable 2x A lithium ion, 3.6 V, 3600 mAh
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
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Mechanical

Dimensions (receiver)	107 x 167 x 36mm
Dimensions (PTD)	100 x 100 x 29mm
Weight (receiver)	161g (approx.)
Case material	Thermoplastic flame retardant
Mounting	9-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	~60m, line of sight

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