



Product catalogue

Simple and affordable heating controls
to reduce energy use and save money

7
years
no quibble
warranty

Together, we're in control



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Our vision

“To be an enduring business that grows from profits earned fairly from products and services that help users save, reduce energy use, and live in comfort.”

About Secure

Established in 1987, Secure is a multinational corporation headquartered in Udaipur, India. Our expertise spans all segments of the energy sector, including electricity, gas, and water - adding value at every point. With a diverse portfolio of solutions, services and products, we cater to MBC, pump efficiency, grid monitoring, LV / MV monitoring, heating as well as cooling controls, and elderly care.

In 2007, Secure acquired Horstmann. Secure continued making and selling control products under Horstmann's name till 2020 when it rebranded to Secure.



All our products come with a 7-year no quibble warranty.
Secure, performance and quality guaranteed.



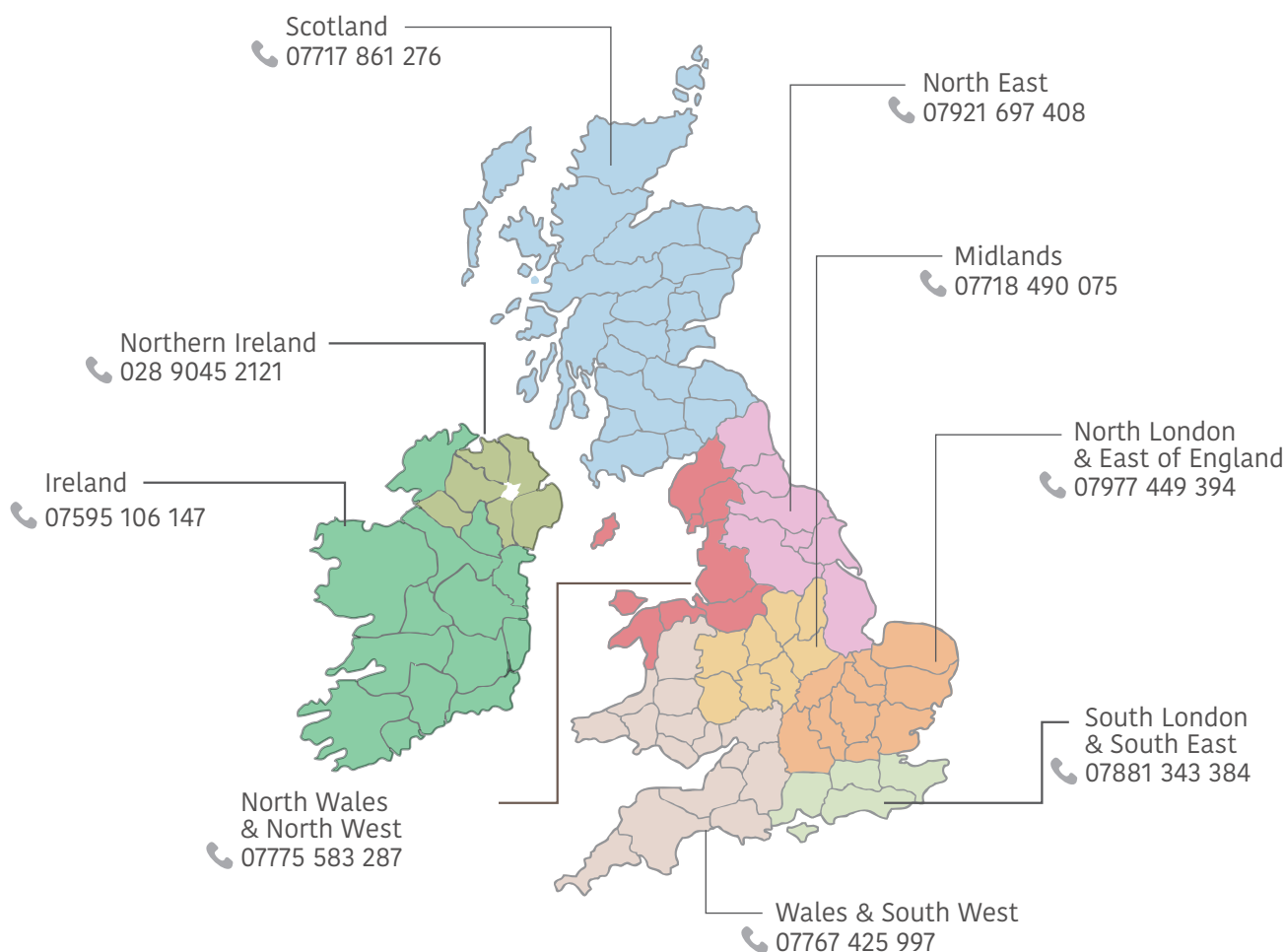
For more details visit our website
www.securemeters.com/controls

Technical support and queries:

01962 826 213

Mon to Thurs: 8:30 – 17:00

Fri: 8:30 – 16:30 (leave message outside these hours)



We've upgraded our heating controls range



CentaurPlus C17 & C27
ServicePlus S17 & S27

Retrofit with standard 6-pin backplate



Thermoplus PRT1, AS1, AS2
425 series & ChannelPlus H17 & H27

Requires a new backplate and wiring



425 Tiara, Diadem & Coronet
(for loads of 3A or under) *

ChannelPlus H17, H27, H37 & H47

Retrofit with standard 9-pin backplate



Economy 7 quartz
E7 quartz 2 hour
Electronic 7

Upgrade from our traditional
immersion heater controls

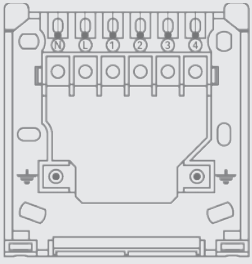


Download our installer app

Make installations and retrofitting easier



Switch to our new heating controls



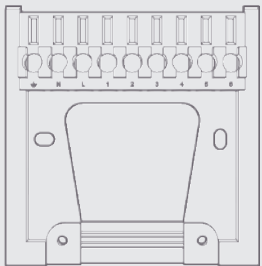
6 pin backplate for C1727

C1727

Wireless programmable thermostat & receiver can control up to 2 zones



Find out more at :
www.securemeters.com/c1727



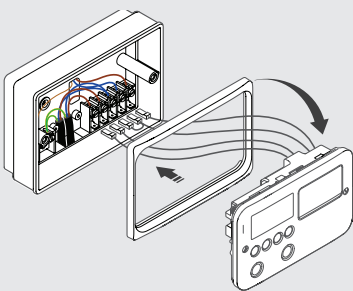
9 pin backplate for H3747

H3747

Wireless programmable thermostat & receiver can control up to 4 zones



Find out more at:
www.securemeters.com/h3747



Adaptor plate for retrofitting

E7+

Wireless immersion heater controller



Find out more at:
www.securemeters.com/e7+

Our installer app has all the wiring diagrams for Secure/Horstmann and competitor products, links to older product databases, and the installation process to help with retrofitting with our new controls range.

A flexible 'smart-capable' modular system

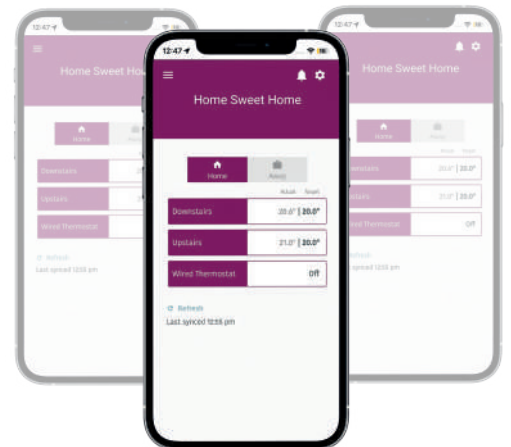


The Secure heating control app

Can control water heating via Bluetooth or Wi-Fi*



* Requires a Wi-Fi adaptor



The Secure thermostat is battery operated and controls your heating and hot water. The Secure C1727 model can control up to 2 zones, the Secure H3747 model up to 4 zones.

Smart-capable room thermostats

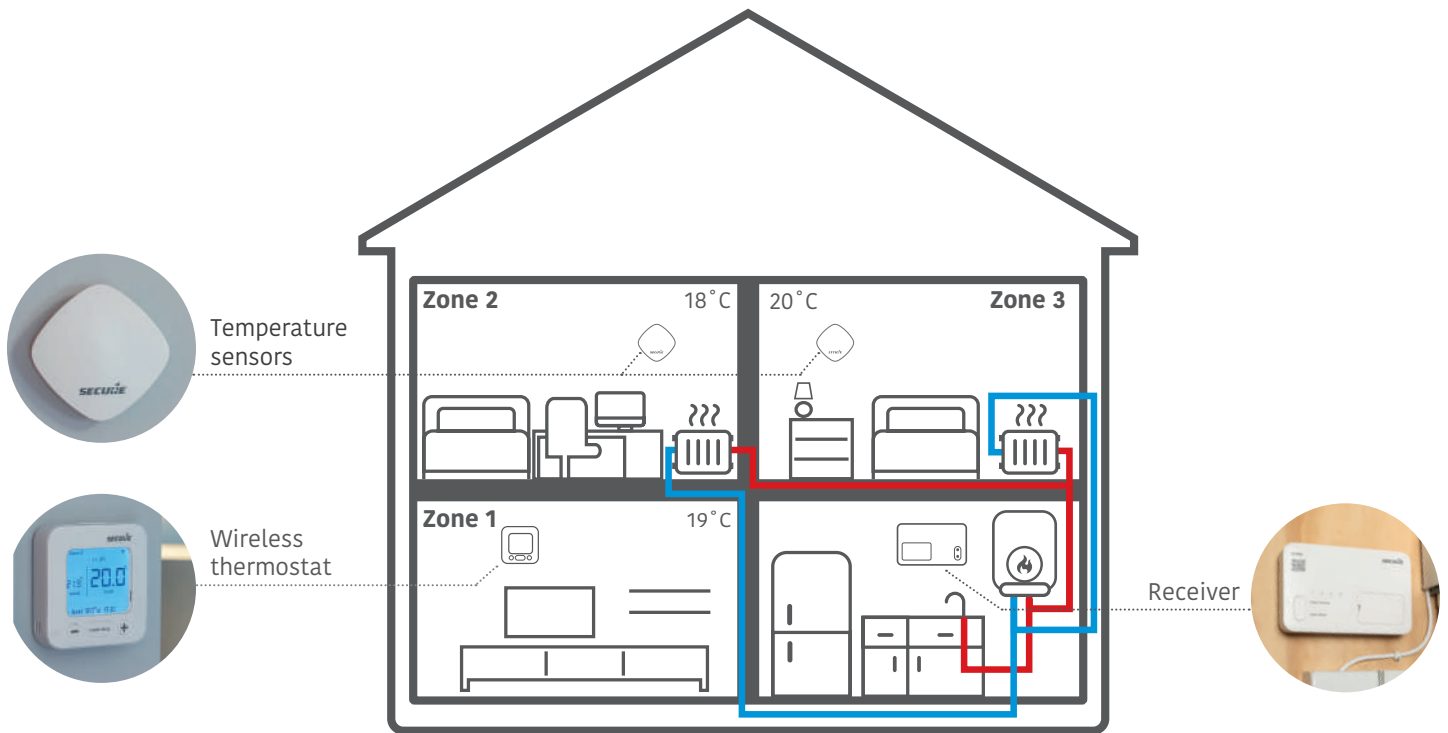
Simplicity sits at the heart of our range of smart capable thermostats, offering the latest energy saving features whilst remaining simple to install and use. This range has been designed in response to the nationwide increase in the use of smart thermostats. These controls are customisable without compromising on quality or efficiency, and designed to be used at whatever level of smart is suitable for you.

Bridging the gap between traditional and smart thermostats

We recognise that everyone is different. Some people just want the simple familiarity of a traditional wall mounted

thermostat with intuitive push button controls. Others crave the latest smart functionality, such as turning up the heating from your phone whilst sat in a coffee shop, or setting the heating to turn on an hour earlier whilst in the workplace. Our C1727 and H3747 thermostats can be configured and used, whatever your preferences.

This makes controlling your home heating system simple, efficient, and convenient, helping to save you time and money whilst reducing our impact on the planet. They are simple to use, simple to upgrade, and come with a dedicated app that allows for a plethora of different ways to control the device, without taking away from the easy to use interface of the thermostat.



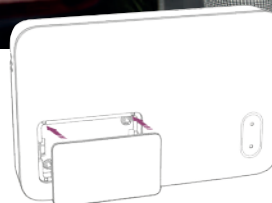
Typical 3 zone set-up

Smart upgradable with our Wi-Fi adaptor

For control from outside your home

Out of the box the receiver can be controlled by the thermostat or via the Bluetooth app. With the optional Wi-Fi adaptor, the heating system can be controlled from anywhere. This will not require any rewiring or additional hubs or gateways to be installed.

We are the only controls on the market to offer this simple upgrade option.



Front-loading Wi-Fi adaptor is easy to install for full remote control from anywhere

C1727

Wireless multi-zone programmable thermostat

The C1727 is a wireless, multi-zone, capable programmable thermostat that is designed to control a variety of fuel and system types. These include combination as well as system boilers, or even heat pumps. Out of the box, the C1727 is pre-paired and Bluetooth-enabled, allowing it to work with an optional user app. This app can operate locally via Bluetooth or with a simple plug-in Wi-Fi adapter for complete smart control. This modular connectivity is optional and requires no installation or configuration of extra hubs or gateways.



Energy-saving features like 'Optimum start / stop' and 'On-off load compensation' enhance boiler efficiency, prevent short cycling, and ensure consistent comfort. The latest version also supports OpenTherm for smart boiler modulation.

C1727 / thermostat	SCT200-000
Temperature sensor	SCS100-000
Extra thermostat	SCD100-000
Wi-Fi adaptor	SCW100-000



Works with Secure heating control app

Can control water heating via Bluetooth or Wi-Fi*



* Requires a Wi-Fi adaptor



Add-ons:



Extra thermostat



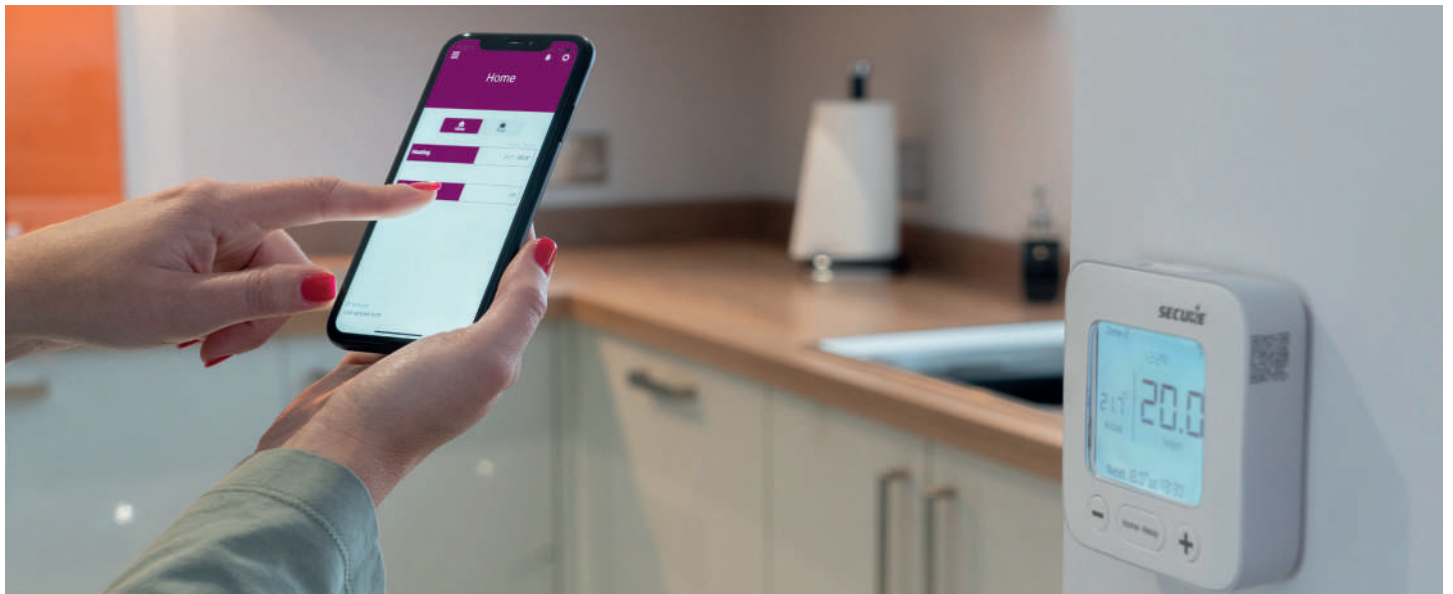
Temperature sensor



Wi-Fi adaptor



Find out more at :
www.securemeters.com/c1727



Applications

- Replacement for Horstmann CentaurPlus and ServicePlus ranges
- OpenTherm compatible from July 2026
- Central heating and hot water control
- Control the schedules of existing wired thermostats

Features

- Complies with Boiler Plus regulations
- Two channels, 3A rated, volt-free operation
- SAP PCDB registered
- Local override for manual control
- Service interval reminders
- Installer and user apps (Android and iOS devices)
- On / off or OpenTherm compatible heating control
- 12-year battery life warranty on the display
- Optional dedicated wiring terminals designed for seamless OpenTherm integration

Benefits

- Easier retrofits with a standard 6-pin backplate, requiring minimal rewiring
- Improve efficiency and comfort with load compensation
- Qualifies for Energy Company Obligation (ECO) incentives, lowering upgrade costs
- Peace of mind with 7-years no-quibbles warranty

Technical specifications

Electrical

Number of channels	2
Relay input voltage rating (CH1 and CH2)	12V to 30V DC, or 230/240V (50Hz)
Relay current rating	3A resistive / 1A inductive
Supply (receiver)	230V / 240V AC (50Hz)
Battery specification (thermostat)	Non replaceable 2 x 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
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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



Providing load compensation to ensure compliance with latest Boiler Plus regulations

For more information, check out page 27

H3747

Wireless multi-zone capable programmable thermostat

The H3747 is a wireless, multi-zone-capable programmable thermostat designed to control a variety of fuel and system types. These include combination boilers, system boilers, and heat pumps. Out of the box, the H3747 is pre-paired and Bluetooth-enabled, allowing it to work with an optional user app. It offers smart control with a simple plug-in Wi-Fi adaptor.

This optional modular connectivity needs no extra hubs or setup. It can also control existing wired thermostats, making retrofitting easy.



H3747 / thermostat	SCT400-000
Temperature sensor	SCS100-000
Extra thermostat	SCD100-000
Wi-Fi adaptor	SCW100-000



Works with Secure heating control app

Can control water heating via Bluetooth or Wi-Fi*



* Requires a Wi-Fi adaptor

Add-ons



Extra thermostat



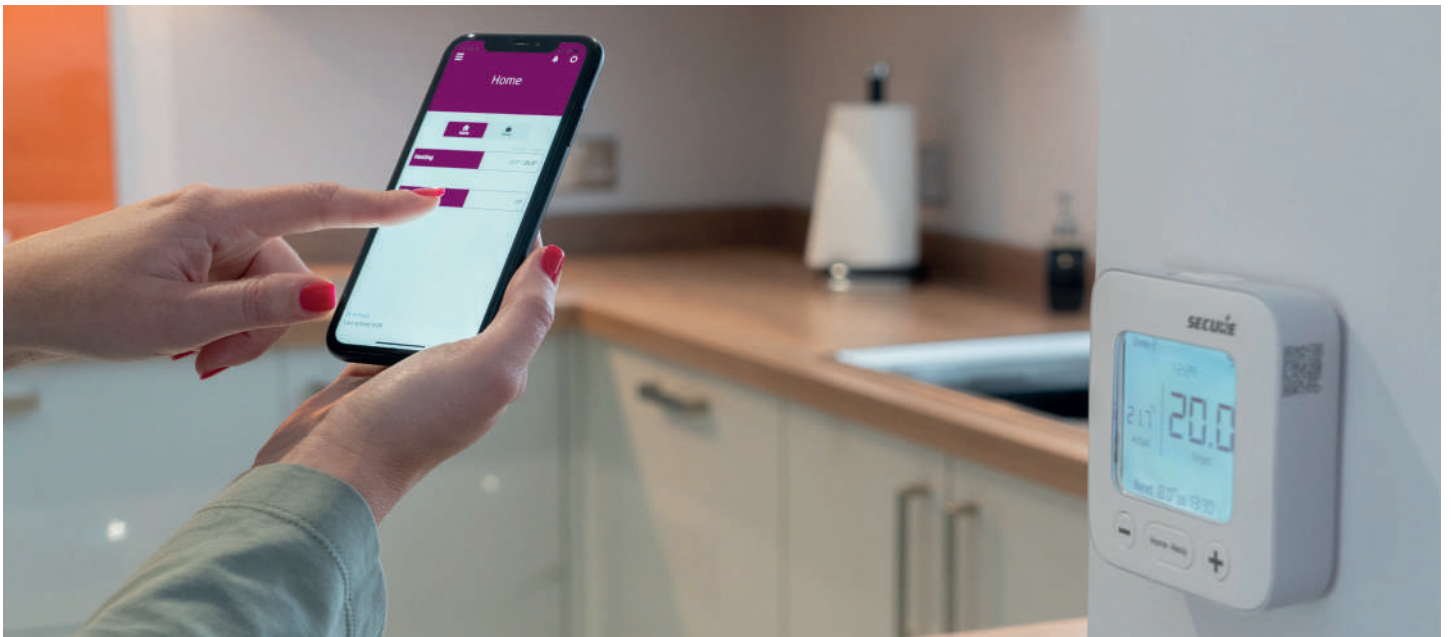
Temperature sensor



Wi-Fi adaptor



Find out more at:
www.securemeters.com/h3747



Applications

- Replacement of timers / programmers such as ChannelPlus
- OpenTherm compatible from July 2026
- Combi boiler – central heating, four-zone system
- Central heating and hot water control
- Domestic gas or oil-fired boiler-based heating systems as well as heat pumps

Features

- Four channels, 3A rated, volt-free operation
- Complies with Boiler Plus regulations (optimum start and stop)
- Local override for manual control
- On / off load compensation and OpenTherm
- Service interval reminders
- Installer and user apps (Android and iOS devices)
- 12-year battery life warranty on the display

Benefits

- Easier retrofits with a standard 9-pin backplate
- Improve efficiency and comfort with load compensation
- Peace of mind with 7-years no-quibbles warranty

Technical specifications

Electrical

Number of channels	4
Relay input voltage rating (CH1 and CH2)	12V to 30V DC, or 230/240V (50Hz)
Relay current rating	3A resistive / 1A inductive
Supply (receiver)	230V/240V AC (50Hz)
Battery specification (PTD)	Non replaceable 2 x 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
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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	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	~60 m, line of sight



Providing load compensation to ensure compliance with latest Boiler Plus regulations
For more information see page 27

C-Stat series

Mains and battery programmable room thermostats

Programmable room thermostats are widely recognised as one of the best ways in which to control central heating. Our C-Stat programmable room thermostats have a large display and intuitive user interface; they are easy to set up and use.

C-Stat 17-M	NU5760217002
C-Stat 17-B	NU5760117001



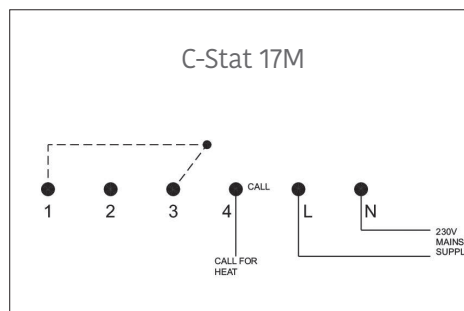
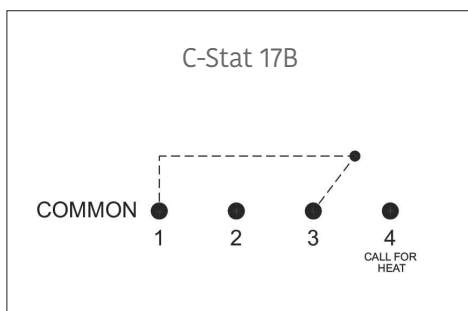
C-Stat 17-M
Mains-powered



C-Stat 17-B
Battery-powered



Wiring guides



Applications

- Control of most domestic gas or oil-powered central heating systems as well as heat pumps
- Control of additional heating zones
- Combination ('combi') boilers
- Control of solid-fuel heating systems
- Replacement of existing thermostat

Benefits

- Reduced energy costs
- No need for additional wiring when replacing an existing thermostat
- Fully Boiler Plus compliant
- Holiday programme enables users to optimise heating cycles when away from property
- Simple and intuitive user controls
- Secure from tampering
- Flexible temperature settings will give you control over your environment
- Peace of mind with 7-years no-quibbles warranty

Features

- Voltage-free contacts
- 7-day programming
- Load compensation
- Up to 6 target temperature settings per-day
- Menu driven programming via large back-lit display, with prompts to aid the user
- Automatic daylight saving time adjustment
- Target temperature and actual room temperature indication
- Temporary temperature override
- Holiday programme
- Tamper-proof security code
- Optional optimum start facility
- Battery reserve

Technical specifications

Electrical

Power supply	2 x AA batteries
Contact type	Micro-disconnection
Wiring configuration	Voltage-free c/o contacts (SPDT)
Contact voltage rating	230V AC 50Hz (30V dc)
Contact current rating	8A (1A inductive)

Environmental

Temperature differential	0.5°C
Temperature accuracy	+/- 0.5°C at 21°C

Compliance

Design standards	BS EN 60730-2-9
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Mechanical

Dimensions	100 x 120 x 26.5mm
Enclosure	Flame retardant thermoplastic
Enclosure protection	IP30

Environmental

Pollution degree	Degree 2
Insulation class	Double insulated
Operating temperature range	0 °C to 40 °C

Features

Clock	12/24-hour with automatic BST/GMT adjustment
Settings per-day	6 target temperature settings per-day
Mounting	6 terminal plug-in wall plate
ERP rating	Class IV (2%)



Providing load compensation to ensure compliance with latest Boiler Plus regulations.

For more information see page 28

radbot 1

Intelligent thermostatic radiator valve (TRV)

radbot 1 is a totally new type of intelligent TRV that learns household occupancy patterns and then heats each room as and when its needed. Put simply, if a room is empty, radbot 1 knows this and automatically reduces the temperature, saving money and energy.

Save energy and money off your bills by not heating empty rooms. No need for apps, smart thermostats, setting up schedules or engineers visiting your home. Radbot is so simple. Just install, set and forget.

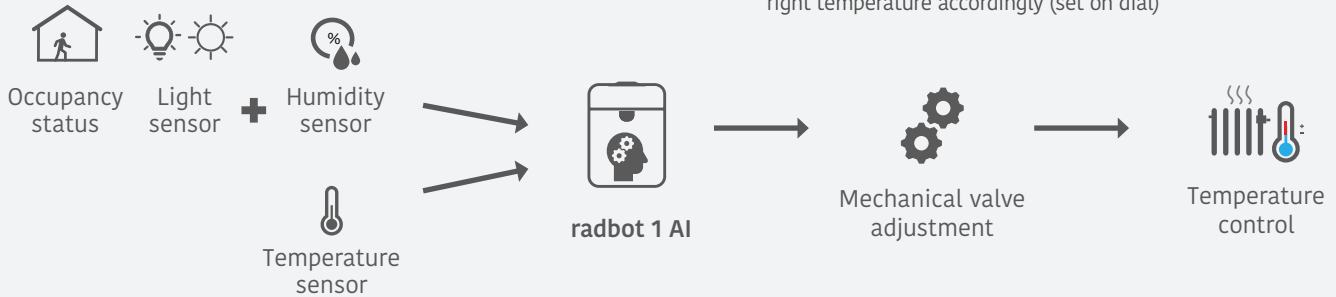
radbot 1 SCV100-000

radbot 1 with valve base & lock shield valve SCV100-100



Find out more at:
www.securemeters.com/radbot

How does radbot 1's artificial intelligence work?



Occupation predictivity

Room Status	Occupied	Empty	Empty but occupancy forecast	Occupied
Time	Midday	2pm	4pm	5pm
Temp.	21°C	18°C	20°C	21°C

Applications

- New installations
- Retrofit installations
- Control of individual radiators
- Room by room heating zones
- Compatible with wet central heating systems including gas & oil boilers & heat pumps

Features

- Frost protection
- Intelligent pre-heat
- Autonomous occupancy driven scheduling
- Whisper mode - quiet night time operation
- Weekly decalcination cycle
- Boost button - temporary temperature override
- Runs on 2 standard AA batteries
- 2 year battery life
- Damp protection

Benefits

- Energy efficiency - up to 30% heat energy savings
- Automatic scheduling - Set and forget
- Simple and intuitive user controls
- Improved temperature regulation
- Easy to install - no wiring or plumbing required
- No requirement for Wi-Fi or app
- Cost effective SAP points for part L
- Energy Company Obligation eligible measure
- Peace of mind with 7-years no-quibbles warranty

Technical specifications

Electrical

Power supply	3V DC (2 x AA alkaline batteries)
Battery life	>2 years

Mechanical

Dimensions	90 x 55 x 55mm
Case material	Thermoplastic
Weight	164g (approx.)
Control type	Twist cap + /-1 °C, manual boost override
Mounting	Screw on to TRV valve base via supplied adaptor (Selection of 5 adaptors provided)

Environmental

Enclosure protection	IP30
Pollution degree	Degree 2
Operating temperature range	0 °C to 40 °C
Storage temperature	20 °C to +50 °C
Environmental humidity range	0 to 95%
Set point range	+5 °C to +24 °C
Max flow temperature	90 °C
Ball pressure test	at 75 °C
Bending moment test	as per EN215

Standards

Design standard	IEC60730-1 and IEC60730-2-9
ERP Rating	ErP Class VIII
SAP	Product characteristics data base listed
Energy Company Obligation	Time & Temperature Control Zone (TTZC) eligible measure
Conformity assessment	UKCA, EUCE, UKNI
Electrical waste	WEEE

What's in the box

1 radbot device	
5 valve adaptors	M28 x 1.5, M30 x 1.0, M30 x 1.5, Danfoss RA, Danfoss RAVL
2 x 1.5AA alkaline batteries	

HRT4-ZW and HRT4-B

Electronic room thermostats

Wireless or wired, this range of purpose designed room thermostats from Secure offer the latest energy saving control technology combined with established Secure design and manufacturing expertise, making them suitable for use in most types of heating system.

HRT4-ZW	PMR101-114
HRT4-B	NU5690101001



HRT4-ZW with ASR-ZW receiver

Wireless Z-wave electronic room thermostat and ASR-ZW receiver with load compensation – avoids disruptive and time consuming wiring – compatible with most heating systems.

With proven Z-wave wireless technology using the 868.42MHz operating frequency, the thermostat unit features a constant RF status display with its receiver being mains powered with volt free contacts.



HRT4-B

The HRT4-B is a wired battery operated room thermostat with load compensation – for use with new installations or as a replacement for existing room thermostats.

The HRT4-B has 3 amp volt free change over contacts – making it ideal for use with combi boilers as well as conventional mains operated equipment.



Applications

- New installations
- Replacement of old or inefficient thermostats
- System upgrades to add a room thermostat
- Frost protection
- Multi occupancy buildings
- Control of most domestic gas or oil-powered central heating systems
- Control of additional heating zones
- Combination ('combi') boilers
- Control of solid-fuel heating system

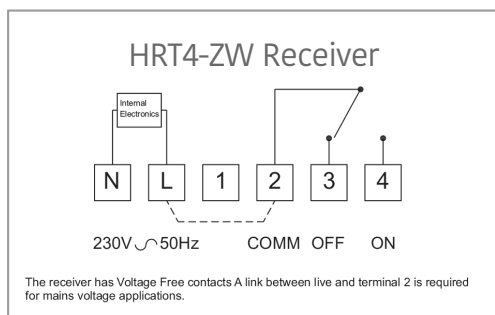
Features

- Wireless or wired (battery operated) versions
- Load compensation
- Boiler Plus compliant when used with time control
- Clear back-lit digital display
- Temperature range 5-30°C

Benefits

- Easy to install and use
- Bigger energy savings
- Trouble free wireless connection with minimal pairing procedures
- Peace of mind with 7-years no-quibbles warranty

Wiring guides



Technical specifications

HRT4-ZW

Power supply	2 x AAA alkaline batteries
Pollution degree	Degree 2
Temperature accuracy	+/- 0.5°C
Temperature range	5 °C - 30 °C
Operating temperature range	0° C - 40 °C
Case material	Thermoplastic flame retardant
Dimensions	86 x 86 x 36.25mm
Rated impulse voltage	Cat 2 – 2500v
Enclosure protection	IP30
Design standard	EN60730 – 2-9
Transmitter frequency	868 MHZ
ERP rating	CLASS IV (2%)

ASR-ZW

Power supply	230 V AC 50 Hz
Contact type	Micro disconnection Voltage free
Contact rating	3 (1) Amps 230 V AC
Pollution degree	Degree 2
Operating temperature range	0° C - 40 °C
Case material	Thermoplastic flame retardant
Dimensions	86 x 86 x 36.25mm
Rated impulse voltage	Cat 2 – 2500v
Enclosure protection	IP30

HRT4-B

Power supply	2 x AAA alkaline batteries
Contact type	Micro disconnection Voltage free change- over
Contact rating	3 (1) Amps 230 V AC
Pollution degree	Degree 2
Temperature accuracy	+/- 0.5°C
Temperature range	5 °C - 30 °
Case material	Thermoplastic flame retardant
Dimensions	86 x 86 x 36.25mm
Rated impulse voltage	Cat 2 – 2500v
Enclosure protection	IP30
Design standard	EN60730 – 2-9

HRT4-A, HFT4 and HTT4

Mains operated electronic room thermostats

This range of purpose designed room thermostats from Secure offer the latest energy saving control technology. They are suitable for use in most types of heating system that respond to a 230 volt mains electrical On/Off signal. They are also perfect partners for use with Secure programmers and zone valves.

HTT4	NU5720401001
HFT4	NU5720301001
HRT4-A	NU5670201005



HTT4 – Tamper proof room thermostat

A tamper proof version of the HRT4-A for use in public areas or other situations where subsequent temperature adjustment is not required/desirable.



HFT4 – Frost thermostat

Electronic mains operated frost protection thermostat. It ensures that heating is turned on whenever frost conditions are detected.



HRT4-A – Room thermostat

Mains powered, electronic unit with load compensation for new and replacement installations. Temperature setting range 5-30 °C.

Applications

- New installations
- Replacement of old or inefficient thermostats
- System upgrades to add a room thermostat
- Frost protection
- Multi occupancy buildings
- Control of most domestic gas or oil-powered central heating systems
- Control of additional heating zones
- Combination ('combi') boilers
- Control of solid-fuel heating systems

Benefits

- Easy to install and use
- Peace of mind that thermostat is tamper proof
- Benefits of weather/frost protection
- Reduce temperature swing that normally occurs with older style thermostats
- Increased energy savings
- Peace of mind with 7-years no-quibbles warranty

Features

- Wireless or wired (battery operated) versions
- Load compensation
- Boiler Plus compliant when used with a time control
- Clear back-lit digital display
- Set temperature displayed; actual temperature displayed if dial is pressed
- Temperature setting range 0-20°C
- Industry standard wall plate
- Internal setting dial
- Standard fixing centres

Technical specifications

Electrical

Power supply	230v 50Hz
Contact rating	3 (1) Amps 230V AC
Contact type	Micro-disconnection
Rated impulse voltage	Cat 2 – 2500v

Environmental

Pollution degree	Degree 2
Temperature accuracy	+/- 0.5°C (at 21 °C with 0.5 amp load)
Temperature range	HRT4-A – 5-30°C HTT4 – 10-30°C HFT4 – 0-20°C

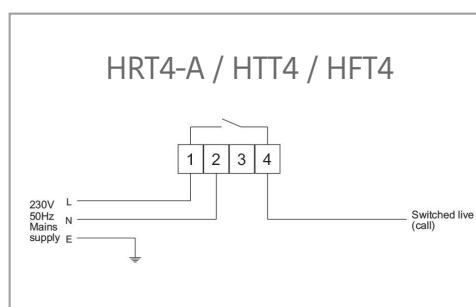
Mechanical

Case material	Thermoplastic flame retardant
Dimensions	86 x 86 x 36.25mm

Compliance

Enclosure protection	IP30
Design standard	EN60730 – 2-9
ERP rating	CLASS IV (2%)

Wiring guides



ZonePlus Z Series

Motorised valves

The **ZonePlus Z Series** offers a range of **high-performance motorised valves** that combine Secure's proven control technology with practical design features for **easy installation, operation, and maintenance**.

The range includes **two-port spring-return valves** in **22 mm** and **28 mm** sizes, and a **22 mm three-port mid-position diverter valve**.



ZonePlus Z222

It is a two-port, 22mm spring-return zone valve with an auxiliary switch, complete with compression fitting.



ZonePlus Z228

It is a 28mm spring-return zone valve with a changeover auxiliary switch complete with a compression fitting.



ZonePlus Z322

It is a three-port, 22mm mid-position diverter valve complete with compression fitting.

Z222	NU5711010222
Z228	NU5711010228
Z322	NU5731010322

Applications

- Control of the hot water circulation in fully pumped wet domestic central heating systems

Benefits

- No system drain-down required
- High-quality, durable components for long-term reliability
- Peace of mind with 7-years no-quibbles warranty

Features

- Quick-change, replaceable actuator
- Industry standard fittings and wiring
- Extra-long 1.4 m cable
- Supplied with compression fittings: 22 mm (Z222/Z322) and 28 mm (Z228)
- Two - port valves fitted with auxiliary switches to switch the pump and boiler

Technical specifications

Electrical

Purpose of control	Electronic timer (independently mounted)
Contact type	Micro-disconnection

Environmental

Maximum ambient temperature	50°C
Maximum fluid temperature	88°C
Maximum differential pressure	0.5 bar
Maximum static pressure	8.6 bar
Timing accuracy	±5%

Mechanical

Cover	Thermoplastic
Valve body	Brass
Pipe fitting size	Z222 & Z322 – 22mm compression (supplied) Z228 – 28mm compression (supplied)

SIR Series

Electronic timers (Electrasaver 2)

The SIR range of simple push button electronic timers, that save energy by remembering to switch off an appliance, when you might forget. Each press of the button cycles the timer through the available periods, as shown by indicator LEDs. The connected load is automatically switched off at the end of the preset time, or it can be switched off manually using the push button. Large energy savings are possible by adding this simple device to any electrical appliance, up to 3 kw (resistive). These units are perfect as boiler override or extension timers and can be used on panel heaters, immersion heaters, heated towel rails, and oil-filled radiators.

SIR020	NU5311015000
SIR021	NU5311030000
SIR022	NU5313120000



SIR020

15/30/60-minute timer



SIR021

30/60/120-minute timer.



SIR022

2/4/6-hour timer.

Application

- Electrical switching
- Timer and scheduling to control any electrical appliance up to 3 kw, such as:
 - Immersion heaters
 - Panel heaters
 - Heated towel rails
 - Oil-filled radiators
 - Forced ventilation in conference rooms

Benefits

- Wiring is simple with easy access terminals
- Peace of mind with 7-years no-quibbles warranty

Features

- Switches loads up to 3 kw (resistive)
- Flush or surface mounting
- 'Countdown' LED indicator light

Technical specifications

Electrical

Purpose of control	Electronic timer (independently mounted)
Contact type	Micro-disconnection
Contact rating	13 (3) A, 230 V AC suitable for loads up to 3 kw (resistive)
Control action	Type 2B
Software class	Class A
Operation time limitation	Intermittent
Timing accuracy	±5%
Timer boost period	SIR020: 15/30/60 minutes SIR021: 30/60/120 minutes SIR022: 2/4/6 hour

Mechanical

Dimensions (W x H x D)	87 x 85 x 19mm (flush mount) 85 x 85 x 44mm (surface mount)
Weight	0.2 kg (approx.)
Case material	Flame-retardant thermoplastic
Mounting	Single-gang surface mount/flush box, minimum depth 25mm (UK)/35mm (Continental Europe)

Environmental

Impulse voltage rating	Cat II 2500V
Enclosure protection	IP30
Pollution Degree	Degree 2
Operating temperature range	0°C to +35°C

Compliance

Standards	EN 60730-2-7
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E7+

Smart immersion water heater control

The new E7+ from Secure is the latest version of the Electronic 7 water heater controller. E7+ is designed to control one or two 3kW immersion heaters, utilising off-peak electricity tariffs to provide a full tank of hot water whenever required. Each heater can be programmed separately for maximum energy saving and control.

The E7+ can be controlled by the Secure Bluetooth-enabled app, within a property, and there is an optional plugin Wi-Fi adaptor that will turn the E7+ into a truly smart unit you can control from anywhere. This app is also used by our range of smart-capable programmable thermostats - C1727 and H3747.



Secure heating control app

Can control water heating via Bluetooth or Wi-Fi*



* Requires a Wi-Fi adaptor

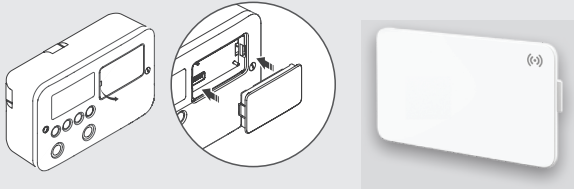
E7+

SCE100-000



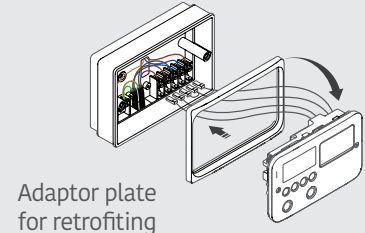
Find out more at:
www.securemeters.com/e7+

Easy to upgrade to fully smart



* Optional Wi-Fi adaptor to switch from Bluetooth to Wi-Fi if you need it

Easy to retrofit



Upgrade from our traditional immersion heater controls



Economy 7 quartz



E7 quartz 2 hour



Electronic 7



Applications

- Designed for modern tariffs as well as cheap overnight rates, such as Economy 7 and other off-peak tariffs or similar
- Can be set to accommodate utility tariffs that offer cheaper electricity periods throughout the day
- Suitable for use with single, dual, or twin element immersion heaters

Benefits

- Easy to retrofit using the provided adaptor plate and fully interchangeable with all Horstmann/Secure Economy 7 controllers
- No Wi-Fi necessary for local control of hot water via app using Bluetooth
- New streamlined compact design
- Easy to upgrade to full smart (remote) control using Wi-Fi adaptor
- Uses the same app as the C1727 and H3747 smart-capable programmable thermostats
- Tamper-proof programme security feature for landlords
- Peace of mind with 7-years no-quibbles warranty

Features

- Bluetooth-enabled app for local control (Android and IOS)
- Full smart control from anywhere with optional Wi-Fi adaptor that does not need a hub or gateway
- Includes 7-day programmer with 3 On-Off periods for boost and off-peak
- Manual Boost button - ideal for 30 minutes, 1, or 2-hour top up without changing the set program
- Programmable boost - can be programmed so that it will heat only a small part of your tank at a set time each day
- Electronic on/off switch
- Measures estimated energy consumed for boost and off-peak in kWh via the app

Technical specifications

Electrical

Contact rating	13 Amps 230V AC suitable for immersion heaters up to 3kw
Contact type	Micro-disconnection on control
Supply	230V 50Hz

Environmental

Pollution degree	Degree 2 normal situations
Moisture protection	Ordinary
Enclosure protection	IP30

Features

Shock protection	Class 1
Live parts	Enclosed
Operating temperature range	0°C to 35°C
Battery reserve	Approximately 2 years total power disconnection
Clock	am/pm Indication Winter/Summer indication
Programme options	Full 7-day programming; Off-peak & Boost, up to three time periods each; Boost - programmable automatic boost for 1/2, 1, and 2-hour manual boosts

Mechanical

Dimensions	170 x 115 x 60mm (excluding rocker switch)
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Radio

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

Compliance

Product Standard/Safety: BSEN / EN 60730-1, BSEN / EN 60730-2-7
RED Radio: ETSI EN 300 328 RED EMC: ETSI EN 301 489-1, ETSI EN 301 489-17, BS EN 60730-2-7

BX2000

Water heating boost control

This simple boost control is intended for use with electric water heating systems when the immersion heater(s) are controlled by the Electricity Company's Radio Teleswitch, Radio Telemeter or Tariff time-switch.

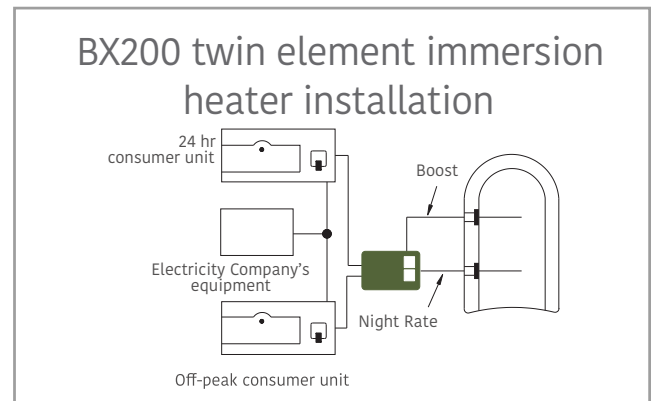
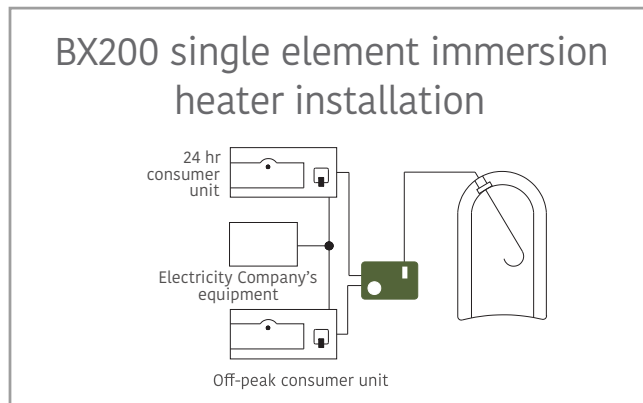
The BX2000 allows the user to 'top up' the hot water if extra supplies are needed during the daytime, with the main water heating taking place overnight, using off-peak electricity.



BX2000

NU5300209301

Schematic system diagrams



Applications

- For use with Off-peak overnight tariffs - with or without an extra day time Off-peak period - where a tankful of hot water is available each morning and a boost timer is required to provide a 'top-up' facility during the day time

Benefits

- Makes the most effective use of the latest cheap-rate tariff structures, electronically
- Always gives priority to Off-peak supply
- Simplified installation
- Easy one-hour or two-hour boost

Features

- 1-hour or 2-hour boost.
- Automatically cancels any boost that has been selected prior to the Off-peak supply becoming available
- Indicator lights show when 'boost' or 'Off-peak' are operational
- Separate indicator lights for 1 and 2-hour boost selection
- Separate boost cancel button
- Incorporates 2 double pole switches - 1 for 24-hour supply and 1 for Off-peak
- Accepts all incoming and outgoing wiring for single, dual or 2 separate 3kw immersion heater applications

Technical specifications

Electrical

Contact rating	13 Amps 230V AC Suitable for immersion heaters up to 3kw
Contact type	Disconnection to immersion heater on double-pole switch
Power supply	230 V 50Hz

Environmental

Pollution degree	Degree 2
Enclosure protection	IP30

Features

Shock protection	Class 1
Live parts	Enclosed
Operating temperature range	0 °C to 35 °C
Time period	1 or 2 hours

Mechanical

Dimensions	170 x 115 x 62mm
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Compliance

British standards	Designed to meet BS-EN 60730-2-7
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Boiler Plus compliant products

The law:

The Domestic Building Services Compliance Guide has been amended for 2018.

The aim of the legislation, known as Boiler Plus, is to improve the efficiency of installed heating systems, particularly through the installation of additional energy saving measures when replacing a boiler. Boiler Plus is applicable in England only.

Boiler Plus regulations:

When installing a new or replacement boiler you need to:

Ensure that the system meets minimum standards for boiler interlock, time and temperature control, as would be done for new system.

When installing a gas combination boiler only in existing dwellings a minimum of one of the following should also be installed:

- Flue gas heat recovery system
- Weather compensation
- Load compensation
- Smart thermostat with automation & optimisation

For more info and queries around BoilerPlus compliancy call our technical support team:

01962 826213

Mon to Thurs: 8:30 – 17:00

Fri: 8:30 – 16:30

(You can leave a message outside these hours)

**BOILER
PLUS**
COMPLIANT

Compliant products:

If you are installing a gas combination boiler (including LPG) to meet Boiler Plus, any product from the C-Stat range or our new range smart controls.



C1727



H3747



C-Stat 17-M



C-Stat 17-B

Smart-capable controls range (C1727 and H3747)

Smart controls range (C1727 and H3747) are 2 and 4 channel receiver/PTD units that are wireless-enabled and can be controlled by a companion app. They use load compensation technology to minimise boiler cycling and reduce flow temperatures. It has Optimum Start-Stop feature for extra energy saving.

C-Stat programmable room thermostat

The C-Stat is an electronic programmable room thermostat that combines time and temperature control in a stylish design that features simple, menu driven programming and a clear, back lit user interface. Among its many features the C-Stat has an (optional) optimum start function.

C-Stat uses load compensation technology to minimise boiler cycling and reduce flow temperatures.

Models in the range feature 7-day programming with up to six temperature settings per day. The intuitive interface ensures they are easy to set up and use.

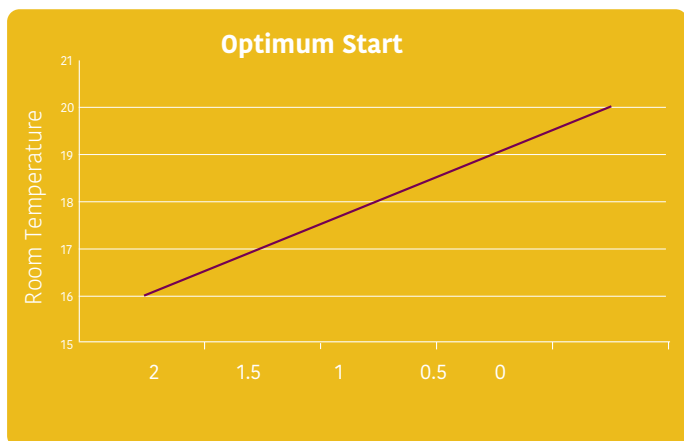
The Optimum Start feature:

This (optional) setting will allow the C-Stat and smart controls range (C1727 and h3747) to anticipate the next set temperature and switch on the central heating up to 2 hours in advance to ensure the set room temperature has been reached by the time it is due to take effect.

As a consequence, the 'switch on' time could take place anywhere between 2 hours and zero minutes before the set time.

It is assumed that the heating can increase at a rate of 2°C per hour. Therefore, the maximum extent of this setting is that it can switch on up to 2 hours before the set temperature and raise the temperature by 4°C (with an assumed warm up rate of 2°C per hour).

The 2-hour optimisation period and the 2°C per hour assumed



temperature rise are non-adjustable. The optimisation process will be cancelled if any overrides are used during the 2-hour period of operation.

The optimum stop feature

This (optional) feature analyses the temperature rise and fall pattern and accordingly turns the heating off a bit earlier than the scheduled time, although ensuring that a comfortable temperature is always maintained. This effect may not be noticeable but is a great measure to save energy and bring down your fuel expenses.

Benefits

For units without an optimum start or delayed start feature, normal practice is to set the heating to come on approximately 1 hour before it is expected to be up to the set room temperature.

For example, if a householder gets up at 6.30am, the heating will typically be set to come on at 5.30am to allow the house to be warm by 6.30am.

The benefit of the optimum start feature is that the heating switch on time is calculated based on the temperature sensed 2 hours before the set time.

The actual switch on time is then delayed as long as possible whilst still achieving the correct required temperature at the set time.

In mild weather conditions, the start time will be delayed until the last possible moment achieving considerable (energy) savings over a fixed 1 hour warm up time.

By contrast, in exceptionally cold weather conditions, the heating may be brought on up to 2 hours before the time required but this will not be normal (in the UK) and savings should outweigh the extra heating needed in exceptionally cold conditions.

An added benefit of Optimum Start is improved comfort, as heating is better controlled and less likely to cause overheating.

As a consequence the 'switch on' time could take place anywhere between 2 hours and zero minutes before the set time.

It is assumed that the heating can increase at a rate of 2°C per hour.

Therefore, the maximum extent of this setting is that it can switch on up to 2 hours before the set temperature and raise the temperature by 4°C (with an assumed warm up rate of 2°C per hour).

The 2 hour optimisation period and the 2°C per hour assumed temperature rise are non-adjustable. The optimisation process will be cancelled if any overrides are used during the 2 hour period of operation.

Heating programmer replacement and wiring guide

If you're replacing a central heating programmer you could just fit what was there before, or go one better and fit a Secure control. This handy guide shows you which of our programmers, from a straightforward electro mechanical unit to a 2-channel 7-day electronic programmer, is the perfect match. Often you can simply plug in without even having to rewire. Whichever one you select, you can be sure that it's well designed, beautifully engineered and bang up to date with the latest spec. All Secure controls are robust, precision-engineered, and compliant with the latest standards, so once installed, you would not be replacing them in a hurry.

Using the Guide

First locate the existing programmer or timeswitch in the left hand column of the Programmer compatibility Guide. Then simply follow the colour coded line over to the far right to find the recommended Horstmann replacement. The colour of the line indicates if it is a direct plug-in replacement or not.

Wiring Comparison Table

Before removing any existing programmer it is essential to make a note of wire colours, terminal positions and numbers in relation to the existing backplate. The charts only include programmers or timeswitches where wiring changes are necessary when fitting our recommended replacement. Where a direct plug-in replacement is available or where terminal connections do not change, the appropriate replacement is shown on the Programmer Compatibility Guide.

Installation and connection should only be carried out by a suitably qualified person and in accordance with the current edition of the IET wiring regulations. The information contained in this manual is intended for guidance only and is believed to be correct. Secure Meters (UK) Limited can accept no liability for any errors or omissions and reserve the right to make changes at any time without notice.

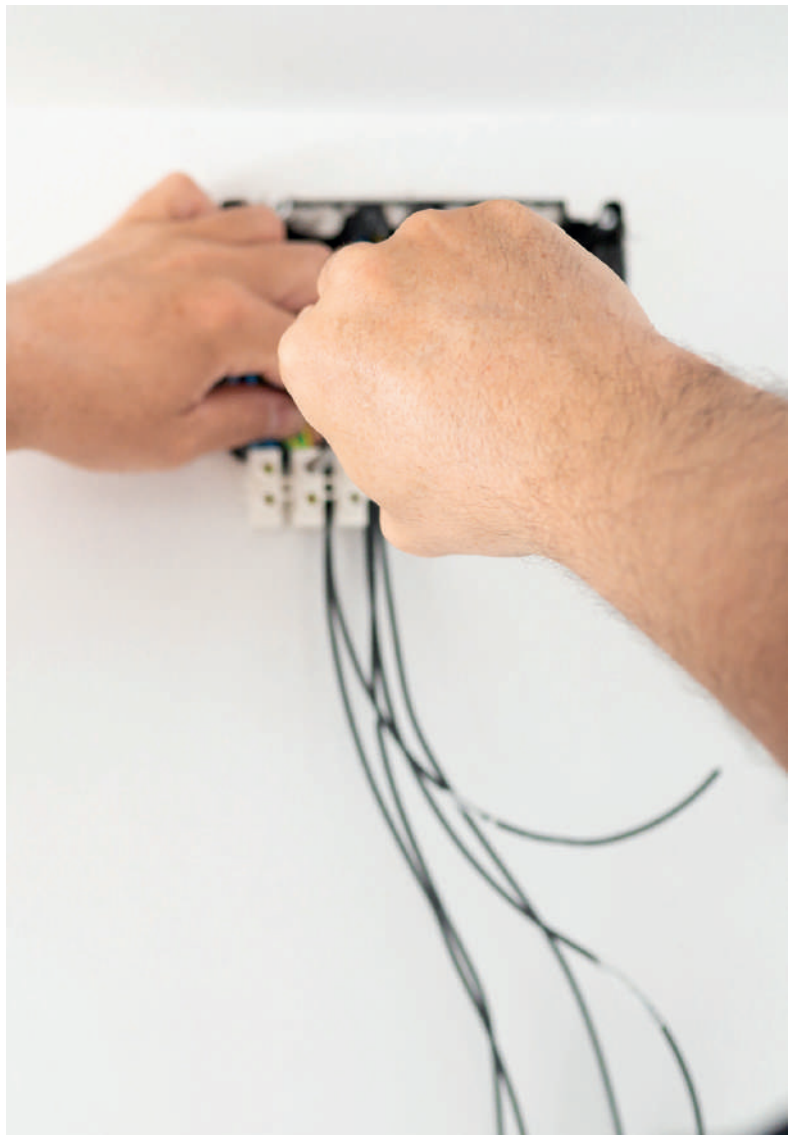


Download our installer app

Make installations and retrofitting easier



Instantly check the wiring for time switches, programmers, thermostats and immersion timers. Includes current and legacy products.



Programmer compatibility guide

KEY: Direct plug in replacement with simple wiring changes Replacement backplate but switch lives remain the same Replacement and re-wiring of backplate required

Please see wiring comparison tables located on product pages

Manufacturer Model		Electro-mechanical	Electronic	24 Hour	5/2 day	7 day	Single Channel	Two Channel	Single Circuit	Multi-Channel	Two Circuit	1.5 Circuits	Timeswitch	Mini-Programmer	Programmer	Common Time Base	Recommended replacement	
DANFOSS RANDALL	FP735Si				•	•				•					•		H3747	
	FP715 Si		•		•	•		•							•		C1727	
	102	•		•			•				•	•			•	•	C1727	
	102E		•	•			•				•	•			•	•	C1727	
	102E5		•	•	•		•				•	•			•	•	C1727	
	102E7		•	•	•	•	•				•	•			•	•	C1727	
	103	•		•				•						•		•	C1727	
	103E		•	•				•				•			•	•	C1727	
	103E5		•	•	•			•				•			•	•	C1727	
	103E7		•	•	•	•	•	•				•			•	•	C1727	
	3001	•		•				•						•		•	H3747	
	3002	•		•				•						•		•	H3747	
	3060	•		•				•				•	•			•	•	C1727
	4033	•		•				•							•	•	•	C1727
	3020P	•		•				•				•	•			•	•	C1727
	911		•	•				•						•		•	•	C1727
	917		•				•	•				•			•	•	•	C1727
	922		•	•				•				•				•	•	C1727
	971		•				•	•						•		•	•	C1727
	972		•				•	•				•				•	•	C1727
	CP15		•	•				•				•				•	•	C1727
	CP75		•				•	•				•				•	•	C1727
	CP715		•	•	•		•	•				•				•	•	C1727
	FP15		•	•				•				•				•	•	C1727
	FP75		•					•				•				•	•	C1727
	FP715		•	•	•		•	•				•				•	•	C1727
	FP975		•		•	•	•	•				•				•	•	H3747
	MP15		•					•					•			•	•	C1727
	MP75		•				•	•					•		•	•	•	C1727
	SET1/SET1E		•	•				•				•		•		•	•	H3747
	SET2/SET2E		•	•				•					•		•	•	•	H3747
	SET3E		•	•				•				•				•	•	H3747
	SET3M	•		•				•				•				•	•	H3747
	SET4		•		•			•				•		•		•	•	H3747
	SET5		•		•			•				•				•	•	H3747
	TS15		•	•				•						•		•	•	C1727
	TS75		•				•	•						•		•	•	C1727
	TS715		•	•	•		•	•				•				•	•	C1727
	TS975		•		•	•	•	•						•		•	•	C1727
	DRAYTON/ ACL/ INVENSYS	LP241Si		•	•				•							•	•	C1727
LP522Si			•		•			•							•	•	C1727	
LP722Si			•			•		•							•	•	C1727	
LP111Si			•	•			•		•				•		•	•	C1727	
LP711Si			•			•		•							•	•	C1727	
MT711R			•			•		•					•		•	•	C1727	
MT721R			•			•		•							•	•	C1727	
MT742R			•			•		•		•					•	•	H3747	
LP 111			•	•			•		•				•		•	•	C1727	
LP 112			•	•			•		•			•			•	•	C1727	
LP 241			•	•				•				•			•	•	C1727	
LP 522			•		•			•				•			•	•	C1727	
LP 711			•			•		•					•		•	•	C1727	
LP722			•			•		•				•			•	•	C1727	
LS 111			•	•				•					•		•	•	C1727	
LS 112			•	•				•					•		•	•	C1727	
LS 241			•	•		•		•				•			•	•	C1727	
LS 522			•		•			•				•			•	•	C1727	
LS 711			•			•		•					•		•	•	C1727	
LS 722			•			•		•				•			•	•	C1727	
FP		•		•				•				•				•	•	C1727
MP		•		•				•				•				•	•	C1727
TC		•		•				•						•		•	•	C1727
Switchmaster 300		•		•				•						•		•	•	C1727
Switchmaster 320/350		•		•				•						•		•	•	C1727
Switchmaster 400		•		•				•					•		•	•	•	C1727
Switchmaster 600		•		•				•					•		•	•	•	C1727
Switchmaster 805		•		•				•				•				•	•	C1727

Programmer compatibility guide

KEY: Direct plug in replacement with simple wiring changes Replacement backplate but switch lives remain the same Replacement and re-wiring of backplate required

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Manufacturer	Model	Electro-mechanical	Electronic	24 Hour	5/2 day	7 day	Single Channel	Two Channel	Single Circuit	Multi-Channel	Two Circuit	1.5 Circuits	Timeswitch	Mini-Programmer	Programmer	Common Time Base	Recommended replacement
DRAYTON /ACL /INVENSYS	Switchmaster 900/905	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Switchmaster 980	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Switchmaster Sonata	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	SM1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	SM2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Tempus 1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Tempus 2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Tempus 3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Tempus 4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Tempus 6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Tempus 7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Tempus 6-2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Tempus 7-2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Tempus 1-Mk2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Tempus 2-Mk2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
EPH	R17	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	T17	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	T27	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	R27-HW	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	R37	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	H3747
	R47	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	H3747
ESI	ES1247B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ES2247B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ES3247B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	H3747
GLOWORM	Masterminder	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
HONEYWELL	ST1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	H3747
	ST1501	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	H3747
	ST1507	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	H3747
	ST6100A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ST6100C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ST6200A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ST6300A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ST6400C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ST6450B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ST699B Fully Pumped	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ST699B Gravity	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ST7000A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ST7000B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ST7100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ST799A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ST9100A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ST9100C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ST9400A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	ST9400C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
ST9500C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	H3747	
HORSTMANN	423 Amethyst 10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	423 Amethyst 7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	423 Diamond	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	423 Emerald	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	423 Pearl Auto	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	424 Coral	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	424 Diamond	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	424 Emerald	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	424 Gem	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	424 Pearl Auto	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	425 Coronet	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	H3747
	425 Diadem	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	H3747
	425 Tiara	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	H3747
	517	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	H3747
	525	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	H3747
	527	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	H3747
	Centaur SC1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Centaur SC7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Centaur TC1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Centaur TC7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Centaur Plus C27	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Service Plus S27	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Channel Plus H27	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	H3727
MYSON	Microtimer One	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	Microtimer Seven	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	MEPTC	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727
	MEP2C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C1727

Programmer compatibility guide

KEY: Direct plug in replacement with simple wiring changes Replacement backplate but switch lives remain the same Replacement and re-wiring of backplate required

Please see wiring comparison tables located on product pages

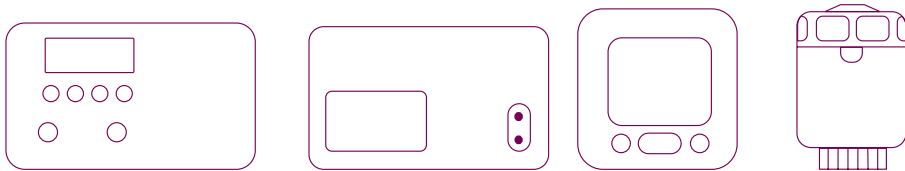
Manufacturer	Model	Electro-mechanical	Electronic	24 Hour	5/2 day	7 day	Single Channel	Two Channel	Single Circuit	Multi-Channel	Two Circuit	1.5 Circuits	Timeswitch	Mini-Programmer	Programmer	Common Time Base	Recommended replacement	
POTTERTON	EP 2000	•	•				•				•				•	•	C1727	
	EP2001/EP2002	•	•		•		•				•				•	•	C1727	
	EP3000	•				•	•				•				•	•	C1727	
	EP3001/EP3002	•				•	•				•				•	•	C1727	
	EP4000	•	•				•		•					•			C1727	
	EP4001/EP4002	•			•		•		•					•			C1727	
	EP5001/EP5002	•	•				•		•	•				•			C1727	
	EP6000/EP6002	•				•		•			•					•		C1727
	Mini Minder	•	•				•				•				•	•		C1727
	Mini Minder E	•	•				•				•				•	•		C1727
	Mini Minder ES	•	•				•		•					•				C1727
SALUS CONTROLS	EP100	•	•		•	•	•		•				•				C1727	
	EP101	•	•		•	•	•		•				•				C1727	
	EP200	•	•		•	•	•	•			•				•		C1727	
	EP210	•	•			•	•									•	C1727	
SANGAMO	M5	•	•				•				•				•	•	C1727	
	M6	•	•				•		•								C1727	
	Choice PR1n	•	•		•	•	•										C1727	
	Choice PR2n	•	•		•		•									•	C1727	
	Choice PR3n	•	•		•	•	•			•						•	H3747	
SIEMENS/ LANDIS & STAEFA and LANDIS & GYR	RWB100	•	•		•	•	•		•				•				C1727	
	RWB102	•	•		•	•	•		•		•			•		•	C1727	
	RWB152	•	•		•	•	•		•			•					C1727	
	RWB170	•	•		•	•	•		•					•			C1727	
	RWB2/RWB2E	•	•				•				•				•	•	C1727	
	RWB200	•	•				•				•				•	•	C1727	
	RWB252	•	•		•		•				•						C1727	
	RWB270	•	•		•	•	•		•								C1727	
	RWB30/RWB30E	•	•				•		•					•			C1727	
	RWB40	•	•		•		•		•		•						C1727	
	RWB50	•	•		•		•		•		•		•				C1727	
	RWB7	•	•		•	•	•		•		•						C1727	
	RWB9	•	•		•	•	•		•		•						C1727	
	RWB27	•	•		•	•	•		•				•				C1727	
	RWB29	•	•		•	•	•		•		•					•	C1727	
	RWB1001	•	•		•	•	•		•	•				•			C1727	
	RWB1007	•	•		•	•	•		•				•				C1727	
RWB2001	•	•		•	•	•		•		•					•	C1727		
RWB2007	•	•		•	•	•		•		•					•	C1727		
SUNVIC	MP2	•	•				•					•		•		•	C1727	
	Select 107/107 XLS	•	•		•	•	•		•					•			C1727	
	Select 207/207 XLS	•	•		•	•	•		•		•				•		C1727	
	SP100	•	•			•	•				•				•		C1727	
	SP20	•	•				•		•					•			C1727	
	SP35	•	•		•	•	•		•				•				C1727	
	SP25/SP30	•	•				•		•			•		•		•	C1727	
	SP50	•	•				•		•						•	•	C1727	
TIMEGUARD/ SMITHS	Centroller 100	•	•				•		•		•				•	•	C1727	
	Centroller 1000	•	•				•		•		•				•	•	C1727	
	Centroller 30/50	•	•		•		•			•				•	•		C1727	
	Centroller 40	•	•				•		•					•			C1727	
	Centroller 60/90	•	•		•		•				•						C1727	
	Centroller 70	•	•				•	•		•				•		•	C1727	
	TRT034	•	•		•	•	•		•					•			C1727	
	TRT036	•	•		•	•	•		•		•					•	C1727	
TOWERCHRON/ GRASSLIN	DP72	•	•			•	•		•		•				•		C1727	
	DT71	•	•			•	•		•		•		•				C1727	
	QE1	•	•		•	•	•		•		•						C1727	
	QE2	•	•		•	•	•	•		•					•		C1727	
	QM1	•	•				•		•					•			C1727	
	QM2	•	•				•		•		•				•	•	C1727	
	T2001/T2001Q	•	•				•		•					•			C1727	
	T2002/T2002Q	•	•				•		•					•		•	C1727	
	T2003/T2003Q	•	•				•		•	•				•	•	•	C1727	
VENNER	T10	•	•				•		•		•						C1727	
	T20/T30	•	•				•		•					•	•		C1727	
	Venotime	•	•				•		•		•			•			C1727	
	Venetrol 80/80M/80P	•	•				•		•		•				•	•	C1727	

Wiring comparison - programmers

Manufacturer	Model	MAINS			C1727					H3747									
		E	N	L	HW OFF	COM	HW OF ZONE 2 ON	CH ON	SPARE	E	N	L	1 ON	COM	2 ON	COM	HW or ZONE 3 ON	4 ON	SPARE
		E	N	L	1	2	3	4	NONE	E	N	L	1	2	3	4	5	6	NONE
Danfoss Randat	102	E	5	6			1	2		E	5	6	2	3			1		
	102E	E	5	6			1	2		E	5	6	2	3			1		
	102E5/102E7	E	5	6			1	2		E	5	6	2	3			1		
	3020P/3060	8	1,7	6			4	2	3,5	8	1,7	6	2				4		3,5
	4033	8	7	6	5		4	2		8	7	6	2		1		4		
	701	E	N	L	4		3	1		E	N	L	1	6		5	3		
	702	E	N	L	4		3	1		E	N	L	1	6		5	3		
	922	E	N	L	1		3	6		E	N	L	6	2		5	3		
	972	E	N	L	1		3	6		E	N	L	6	2		5	3		
Drayton/ACL/Invensys	LS112	E	N	L	2		3	4		E	N	L	4				3		
	FP	E	2	1	8		6	10	3	E	2	1	10				6		3
	MP	E	2	1			6	10	3,7,8	E	2	1	10				6		3,7,8
	Switchmaster 320	E	N,2	L			3	1		E	N,2	L	1	4			3		
	Switchmaster 350	E	N,2	L			3	1		E	N,2	L	1	4			3		
	Switchmaster 400	E	N	L			3	1	2	E	N	L	1				3		2
	Switchmaster 600	E	N	L			3	1	2,4	E	N	L	1				3		2,4
	Switchmaster 805	E	N	L	4		3	1		E	N	L	1				3		
	Switchmaster 900	E	N	L	4		3	1	A,B,C	E	N	L	1				3		A,B,C
	Switchmaster 9000	E	N	L	4		3	1	A,B,C	E	N	L	1				3		A,B,C
	Switchmaster 9001	E	N	L	4		3	1	A,B,C	E	N	L	1				3		A,B,C
	Switchmaster 905	E	N	L	4		3	1		E	N	L	1				3		
	Switchmaster Sonata		N	L	3		1	4			N	L	4				1		
	SM2	E	N	L	1		3	4		E	N	L	4				3		
EPH	A27-HW	E	N	L	1		3	4		E	N	L	L	3		1	4		
	R27-HW	E	N	L	1		3	4		E	N	L	L	3		1	4		
ESI	ES2247B	E	N	L	1		3	4		E	N	L	4				3		
Honeywell	ST699B - Fully Pumped	E	N	L	7		6	3		E	N	L	3	8		5	6		
	ST699B - Gravity	E	N	L			8	3		E	N	L	3	6		5	8		
	ST7000A		N	L	2		3	4			N	L	4				3		
	ST7100	E	N	L	7		8	5		E	N	L	5	6		3	8		
	ST799A		N	L	7		6	3			N	L	3	8		5	6		
	ST9400A	E	N	L	1		3	4		E	N	L	4				3		
	ST9400C	E	N	L	1		3	4		E	N	L	4				3		
	ST9500C	E	N	L	1		3	4		E	N	L	4				3		
	Horstmann	423 Amethyst 10	E	2,3	1	4		5	7		E	2,3	1	7				5	
423 Amethyst 7		E	2,3	1	4		5	7		E	2,3	1	7				5		
423 Diamond		E	N	L			2	4	5,6	E	N	L	4	1		3	2		5,6
424 Coral		E	2,3	1			8	4	5,6	E	2,3	1	4			7	8		5,6
424 Diamond		E	N	L/1			2	4	5	E	N	L/1	4			3	2		5
424 Gem		E	2,3	1	6		4	7		E	2,3	1	7	5		8	4		
Centaur Plus C21/C27		E	N	L	1		3		4	E	N	L	4				3		
Service Plus S21/S27		E	N	L	1		3		4	E	N	L	4				3		
Channel Plus H21/H27		E	N	L	3	2	1	4		E	N	L	4				1		
Myson	Microtimer One		N	L	7		6	3			N	L	3	8		5	6		
	Microtimer Seven		N	L	7		6	3			N	L	3	8		5	6		
	MEP2C		N	L	1		3	4			N	L	4				3		
Potterton	EP2000	E	N	L	1		3	4	A,B,C,D	E	N	L	4			5	3		A,B,C,D
	EP2001	E	N	L	1		3	4	A,B,C,D	E	N	L	4			5	3		A,B,C,D
	EP2002	E	N	L	1		3	4	A,B,C,D	E	N	L	4			5	3		A,B,C,D
	EP3000	E	N	L	1		3	4	A,B,C,D	E	N	L	4			5	3		A,B,C,D
	EP3001	E	N	L	1		3	4	A,B,C,D	E	N	L	4			5	3		A,B,C,D
	EP3002	E	N	L	1		3	4	A,B,C,D	E	N	L	4			5	3		A,B,C,D
	EP6000	E	N	L	1		3	4	A,B,C,D	E	N	L	4			5	3		A,B,C,D
	EP6002	E	N	L	1		3	4	A,B,C,D	E	N	L	4			5	3		A,B,C,D
Sangamo	M5	E	4,5	3			1	6		E	4,5	3	6				1		
	Choice PR2n		N	L	1		3	4			N	L	4				3		
Salus controls	EP200	E	N	L	1		3	4		E	N	L	4				3		
	EP210	E	N	L	1		3	4		E	N	L	4				3		
Sunvic	MP2		N	L	HW OFF		HW ON	CH ON			N	L	CH ON			HW ON			
	SP100	E	N	L	1		2	5	S,S	E	N	L	5			3	2		S,S
	SP25	E	N	L	1		2	5	S,S,4	E	N	L	5			3	2		S,S,4
	SP30	E	N	L	1		2	5	S,S,4	E	N	L	5			3	2		S,S,4
	SP50	E	N	L	1		2	5	S,S	E	N	L	5			3	2		S,S
Timeguard/Smiths	Centroller 100	E	N	L			3	2	1,4	E	N	L	2				3		1,4
	Centroller 60	E	1	2			5	4	3,6	E	1	2	4				5		3,6
	Centroller 70	E	1	2			5	4	3,6	E	1	2	4				5		3,6
	Centroller 90	E	1	2			5	4	3,6	E	1	2	4				5		3,6
	TRT036	E	N	L	NC2		NO2	NO1		E	N	L	NO1				NO2		
Towerchron/Grasslin	T2002	E	N	L			HW ON	CH ON		E	N	L	CH ON				HW ON		
	T2002Q	E	N	L			HW ON	CH ON		E	N	L	CH ON				HW ON		
	T2003	E	N	L	HW OFF		HW ON	CH ON		E	N	L	CH ON	COM		COM		HW ON	
	T2003Q	E	N	L	HW OFF		HW ON	CH ON		E	N	L	CH ON	COM		COM		HW ON	
Venner	Venetrol 80	E	N,1,3,4	L			2		5	E	N,1,3,4	L	A/S				2		A,S,5
	Venetrol 80M	E	N,3	L	1		2	5		E	N,3	L	A,S				2		A/S,4,5
	Venetrol 80P	E	N,1,3	L			2	A/S	A/S,4,5	E	N,1,3	L	A/S				2		A/S,4,5
	Venner T20	E	N	L			1	4		E	N	L	4				1		
	Venner T30	E	N	L	1		2	4		E	N	L	4				2		

Wiring comparison - timeswitches

Manufacturer	Model	MAINS			C1727					
		E	N	L	1 HW OFF	2 COM	3 HW or ZONE 2 ON	4 CH ON	SPARE	
		E	N	L	1	2	3	4	N/A	
Danfoss Randall	103	4	5	6		3		1	2	
	103E	4	5	6		3		1	2	
	103E5	4	5	6		3		1	2	
	103E7	4	5	6		3		1	2	
	911	E	N	L		5		6	2	
	917	E	N	L		5		6	2	
	971	E	N	L		5		6	2	
	TS15		N	L		1		4	3	
	TS75		N	L		1		4	3	
	TS715		N	L		1		4	3	
Drayton/ACL/Invensys	LP111		N	L		1		3	4	
	LP711		N	L		1		3	4	
	LS111		N	L		1		3	4	
	LS711		N	L		1		3	4	
	Switchmaster 300		N,2	L		4		1		
	Switchmaster 980		N	L		4		1		
	SM1		N	L		1		3	4	
	TC		2	1				7		
	Tempus 1		N	L		1		2	4	
	Tempus 2		N	L		1		2	4	
	Tempus 1-Mk2		N	L		1		3	4	
	Tempus 2-Mk2		N	L		1		3	4	
EPH	R17	E	N	L		1		4		
	T17	E	N	L		1		4		
ESI	ES1247B	E	N	L		1		4		
Honeywell	ST6100A		N	L		1		4	3	
	ST6100C		N	L		1		4	3	
	ST7000B		N	L				3		
	ST9100A		N	L		1		4	3	
	ST9100C		N	L		1		4	3	
Horstmann	423 Emerald	E	N	L		3		4	5,6	
	423 Pearl Auto	E	N	L		3		4	5,6	
	424 Emerald	E	N	L,1		3		4	5	
	424 Pearl Auto	E	N	L,1		3		4	5	
	Centaur SC1	E	N	L		1		3	4	
	Centaur SC7	E	N	L		1		3	4	
	Centaur Plus C11/C17	E	N	L		2		4		
	Service Plus S11/S17	E	N	L		3		4		
	Channel Plus H11/H17	E	N	L		2		4		
Myson	MEP1C		N	L		3		4	1	
Potterton	EP4000	E	N	L		5		4	A,B,C,D	
	EP4001	E	N	L		5		4	A,B,C,D	
	EP4002	E	N	L		5		4	A,B,C,D	
	EP5000	E	N	L		5		4	A,B,C,D	
	EP5002	E	N	L		5		4	A,B,C,D	
Salus Controls	EP100		N	L				3		
	EP101		N	L		4		3	2	
Sangamo	M6	E	4	6		3		1		
	Choice PR1n		N	L		1		3		
	Sunvic SP20	E	N	L		3		5	S	
	SP35	E	N	L		3		5	S	
	Select 107/107XLS	E	N	L		1		3		
Timeguard/Smiths	Centroller 30	E	1	2				4,5		
	Centroller 40	E	1	2				4,5		
	Centroller 50	E	2	1,5				4		
	Centroller Mk1		N	L		3		2		
	Centroller Mk2		N	L		3		2		
	TRT034	E	N	L				N01		
Towerchron/Grasslin	DT71		N	L		3		4		
	QE1		N	L	1	3		4	1	
	T2001		N	L				7		
	T2001Q		N	L				7		
Venner	T10	E	N	L		2		3		
	Venotime	E	N	L	2			3	2	



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