

SANGAMO
TIME SWITCHES & HEATING CONTROLS



UK MANUFACTURING

Our Round Pattern Time Switch and Powersaver product ranges are both fully manufactured in the UK by our experienced production team.

FIVE YEAR GUARANTEE

Sangamo has a proud reputation for quality and reliability. To ensure our products can be installed and used with complete confidence we guarantee our full range of time switches and heating controls for five years from the date of manufacture.

Sangamo have been manufacturing time switches in from our Port Glasgow, Renfrewshire factory for over 65 years. Our reputation for quality and reliability is unrivaled.

Today we offer a wide range of time switches and heating controls for domestic, commercial and industrial use. Via our close relationships with the UK & Ireland's major electrical wholesalers, we are able to supply our products to companies and organisations the length and breadth of the British Isles.

We are proudly ISO9001 certified.

PROJECT WORK

We provide products for projects large and small, single drop or call off orders for long term projects. We will work with your preferred electrical wholesaler to find the right package for you.

At Sangamo we prefer the personal touch, from on site visits to establish your requirements to our customer service and technical support, our entire team is knowledgeable, experienced and only a call away.

OEM & CUSTOMISED PRODUCTS

Our products can be altered or customised to suit your needs. From pre-set time switches - so they can simply be installed and turned on - to bespoke badged products and packaging. We work with many companies and organisations to provide tailored solutions for their projects.

SANGAMO

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Are you Gas Safety compliant?

Under Part F of the Gas Safety (Installation and Use) Regulations 1998, social housing landlords are required to arrange an annual safety check of gas appliances and pipework. Unfortunately many landlords, local authorities and housing associations find some tenants, for a variety of reasons, difficult to arrange access, despite the checks being a potentially lifesaving necessity.

Sangamo have developed a range of Choice Heating Programmers with a service interval function, which is designed as a supplementary aid to assist landlords in alerting their tenants that a service is due.

On installation or service the heating engineer sets a service date up to 400 days in the future. 28 days prior to the service due date the display will show a warning sign (SEr dUE dXX (XX showing the countdown in days)) that a service is due and the number of days counting down. With 7 days to go the backlight on the unit also flashes. This allows the tenant to, ideally, respond to the social landlord who should already be trying to contact them. Alternatively the tenant can call the number shown on the contact label fixed to their programmer.

“Sangamo have developed a range of Choice Heating Programmers with a service interval function, which is designed as a supplementary aid to assist landlords in alerting their tenants that a service is due.”

If no service takes place and the countdown reaches zero the programmer will then enter one of two modes;

- **Total Shutdown** prevents the boiler from providing any hot water or heating, all buttons on the programmer lock and a message ‘OFF Ser Due’ is displayed on the LCD screen.
- Alternatively a **Partial Shutdown** can be set, during which heating and hot water will be supplied for a random 15 minute period for each programmed hour. A message ‘15 Run Ser Due’ shows on the display. All buttons are locked but it allows the tenant access to limited hot water and heating until the service takes place.

During the boiler service the heating engineer can reset the unit and set the next service date. To maintain the integrity of the feature, the exact instructions on how to do this can only be supplied to a Gas Safe Registered Engineer by providing their Gas Safe Engineer ID which will be checked against the database and instructions sent to their registered email address.

The Sangamo range of programmers for timed heating and hot water control also offer feature

rich, adaptable programming options with a fresh modern design to suit any home. Each model can be selected between 24 hour, 5/2 day or 7 day programming, 3-in-1 options to adapt to each home. Automatic Summer/Winter time change, 1,2 & 3 hour boost periods and a Holiday Mode to save energy when heating isn’t required give a product that you can depend on.

The single channel Choice PR1si is designed primarily for timed, simultaneous control of heating and hot water. Ideal for use with a combination, or combi, boiler. The PR1si also has a Volt Free Contact.

The 2 channel Choice PR2si is designed for separate control of heating and stored hot water. The programs are independent of one another giving the opportunity to control usage in the most energy efficient manner possible.

The 3 channel Choice PR3si offers independent control of two separate heating zones as well as hot water storage. The multi-channel capabilities allow Social Landlords to comply with Part L of the building regulations (Part J in Scotland and Part F in Northern Ireland) for dwellings over 150m².

As with all their products, these Service Interval Programmers are backed up by Sangamo’s Five-Year Guarantee giving you peace of mind that there won’t be multiple costly callouts after installation.



Sangamo’s Choice PR1si heating programmer (left) and the PR3si model (right).

New build starter homes



Product: PR1n
Customer: Contractor (Specified by Developer)
Quantity: 614 Units

Social housing



Product: PR3si (Service Interval Timer)
Customer: Contractor (Specified by Housing Association)
Quantity: 3,300 over 13 months

Part of boiler retrofit to upgrade heating system



Product: PR1n + RSTAT3
Customer: Heating Engineer
Quantity: 50 Units per month



The image shows a white SANGAMO PR1si thermostat on the left. The thermostat has a blue LCD screen displaying 'TU 2:36 PM' and two buttons labeled 'ADV' and '+HR'. To the right is a photograph of a modern, multi-story social housing building with a mix of brick and dark panels.

Product: PR1si
Customer: Contractor to a Metropolitan Borough Council
Quantity: 100-130 Units Per Month



The image shows a white SANGAMO Tamper Proof RSTAT1t thermostat on the left, featuring a large circular cutout. To the right is a photograph of a gym changing area with wooden lockers and a wooden bench.

Product: Tamper Proof RSTAT1t
Customer: Commercial underfloor heating system supplier
Quantity: 3,000 Per Year



The image shows a white Netatmo Smart Thermostat with a yellow border on the left. The thermostat's display shows '-21.20+'. To the right is a photograph of a caravan holiday park with a white fence and a caravan with a sunroom.

Product: Netatmo Smart Thermostat
Customer: Static Caravan Holiday Park Owner
Quantity: 50 Units

Energy efficiency in the palm of your hand



Near Field Communication (NFC) is a low powered wireless communication technology that allows devices to exchange information from just a few centimetres away. There's a good chance you have already used NFC yourself, maybe without even realising it.

While it's great to save a little energy on one switch, the savings over a building, council area or even the whole country becomes significant both in terms of cost of running and the environment.

If you've used;

- touch-and-go travel cards like the London Underground's Oyster Card
- a contactless bank card to tap on a card reader
- used Apple Pay or Google Wallet to make a purchase in a shop
- used Nintendo Amiibo or Lego Dimensions physical toys to interact with computer games

...then you certainly have, all these utilise NFC technology to transfer data. Time switch manufacturer Sangamo, well known for their Round Pattern Time Switch (RPTS) range that they've made in the UK for over 65 years, have a new range of DIN rail mounted digital time switches that include NFC capability.

NFC Time Switches

Using the free Sangamo Connect app on an Android NFC enabled smartphone allows you to;

- upload a created programming schedule
- download an existing schedule to store or amend
- transfer programs from one switch to another

While this is a more user friendly programming method on its own it opens up more possibilities for housing associations and facilities managers; a new program could be created in a central office and emailed out to staff at several locations to get all switches working to the same schedule very quickly. Because the app uses a low-powered NFC chip, the switch uses much less energy than comparable technologies like Wi-Fi, Bluetooth and RF. The app is currently only available for Android as Apple devices currently have their internal NFC chip locked only for use with Apple Pay but this seems likely to change in the future as the technology becomes more widely used.

Energy Efficiency

There's also more to the energy-saving features than just a low-powered NFC chip too; the switches come with a new self-optimised consumption, meaning the switch continually checks it's using as little energy as it can for the programming status it's in, from a maximum of 1.0W down to as little as 0.2W in standby mode – a saving of between 44-75% over standard digital time switches.

Astro Switches

The Sangamo range includes three new astro (also known as astrological or solar) switches;

- 72102 NFC (1 channel - 24 hour)
- 72103 NFC (1 channel - 7 day)
- 72203 NFC (2 channel - 7 day)

These switches automatically adjust their on and off times to match sunset and sunrise times. This can be achieved by selecting from one of the 16 pre-set UK cities or by inputting your exact co-ordinates for more precise switching times.

These switches are perfect for lighting, be it corridor/communal areas, external street and car park lighting or even decorative and festive lighting applications. The switches are rated 16A or 10A inductive load which can handle 2,000W halogen, 1,000W fluorescent or 200W of LED lighting per channel.

Standard Switches

The two standard fixed-time switches;

- 72113 NFC (1 channel - 7 day)
- 72213 NFC (2 channel - 7 day)

These general purpose timers complete the range and have the same 16A rating. These switches are generally used to control heating, ventilation, door entry systems and, thanks to the pulse programming feature, school and church bell systems. Both switches can be set with up to 56 operations per channel. Sangamo can also work with your preferred wholesaler to provide these products at very competitive pricing for your project and are happy to discuss customisation of products to your requirements.



Energy saving system for battery recharging



Product: 73303 NFC
Customer: National Discount Stores
Quantity: 300 Units

Roadside signage & street furniture illumination



Product: 73101
Customer: City Council
Quantity: 10 Units Per Month

Refrigeration systems



Product: 73113 NFC
Customer: Manufacturer
Quantity: 35 Units

Stairwell & communal lighting areas



Product: **71101**
Customer: **Contractors to City Council**
Quantity: **3,400 Units over 3 Years**

Purpose made electrical panels



Product: **33871**
Customer: **Panel Builder**
Quantity: **50 Units Per Month**

Energy saving lighting system



Product: **73103**
Customer: **Car Dealership**
Quantity: **133 Units**

Using controls to help limit heating costs

Electricity is the most expensive and carbon-intensive heating fuel available in the UK, the average annual cost of heating and hot water using electricity is £2,053. An Ofgem study found that there are over 2 million homes in the UK using electric heating systems, these tend to be homes with a lower efficiency rating, reflecting the higher running costs, and tended to be occupied by people with lower incomes. This means that often, those that can least afford it are paying for the most expensive method of keeping warm.

To help alleviate these costs electricity suppliers offer low-rate tariffs which give a lower price for off-peak use. By far the most common of these is Economy 7, which offers 7 hours of off peak electricity each day. The exact times this takes place are dictated by the region and supplier, for example, in London the times are 7 hours between 11pm and 7am, in the Midlands it's 7 hours between 11:30pm and 8am and in the North West it's a pre-defined 12:30am to 7:30am for all users. Less common is Economy 10, offering 10 hours off peak split between the morning, evening and night, and Eco 20:20, an EDF tariff giving off peak electricity at evenings and all weekend.

Sangamo offer a controller that is automatically set to work with the various low rate times throughout the country. The Powersaver Dual Flexi, a dual immersion controller designed for use with electric heating and hot water, comes pre-programmed with Economy 7 times but, uniquely, also with Economy 10 and Eco 20:20 times which can be set on installation on the rear of the unit, this means it cannot be accidentally switched to the wrong time and start calling for expensive peak electricity use, leaving the tenant confident that their heating and hot water is being provided in the most cost effective way possible.

“For housing associations who want to provide their tenants with a reliable, easy way to be in control of their heating and hot water energy costs there is no better solution than a Sangamo Powersaver Dual Flexi.”

While the controller is tamperproof to go beyond the off peak times they can actually be minimised further inside them, perhaps 7 hours provides too much hot water for a tenant, lessening the operation times avoids wasting expensive energy and helps keep those energy bills down. This allows the tenant to be able to adjust their controller with confidence to find the right setting for their home. Of course, sometimes using peak electricity for heating is unavoidable. The PS Dual Flexi allows for this with its large multi press button that can be used to select a 30 minute, 1 hour or 2 hour boost period after which the controller returns to its normal programming, meaning the heating cannot be turned on and left on indefinitely. The product also features automatic switching of GMT/BST times to ensure tenants aren't caught out by the time change and a two year battery back up so that, in the event of a power outage, the clock keeps its time so it won't have to be fully set up again.



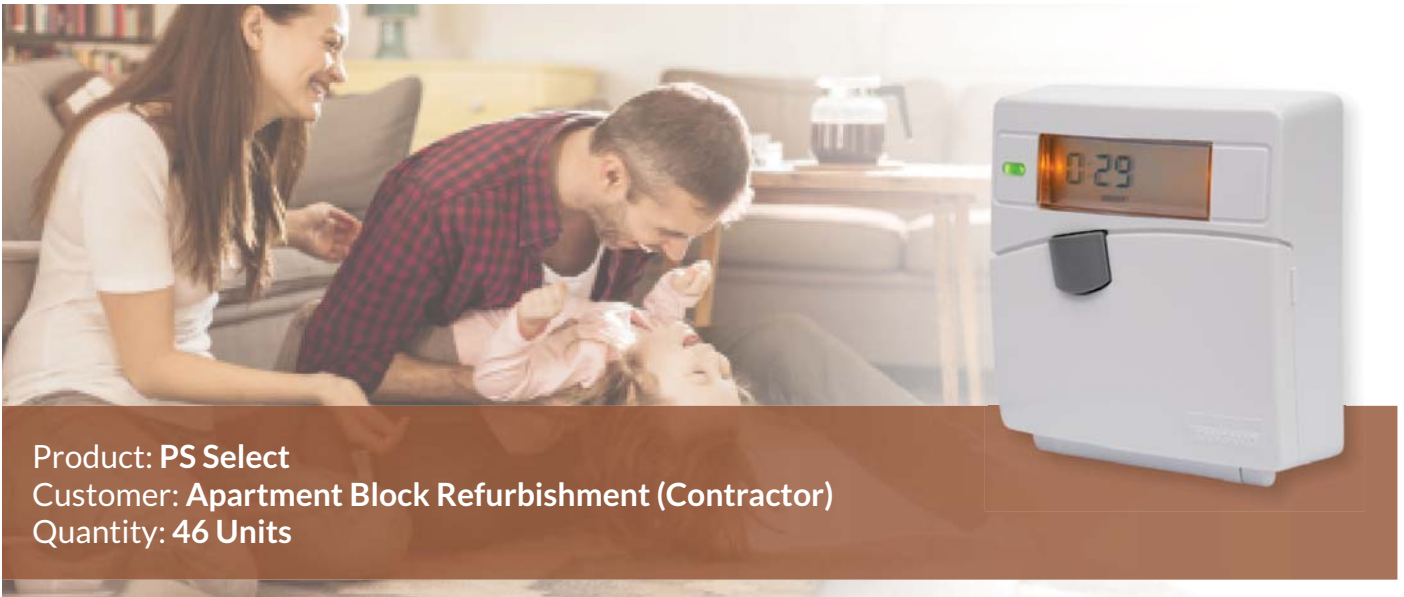
Sangamo's Powersave Dual Flexi

For the installer the unit is simple to set up, as a new unit using the supplied industry standard back box or retrofitted to upgrade any mechanical quartz 7 timer. Just turn the dial to the correct setting on the back, wire up and switch on. Like all Sangamo products it's backed up by a five year guarantee to provide assurance and peace of mind for housing associations.

For housing associations who want to provide their tenants with a reliable, easy way to be in control of their heating and hot water energy costs there is no better solution than a Sangamo Powersaver Dual Flexi.

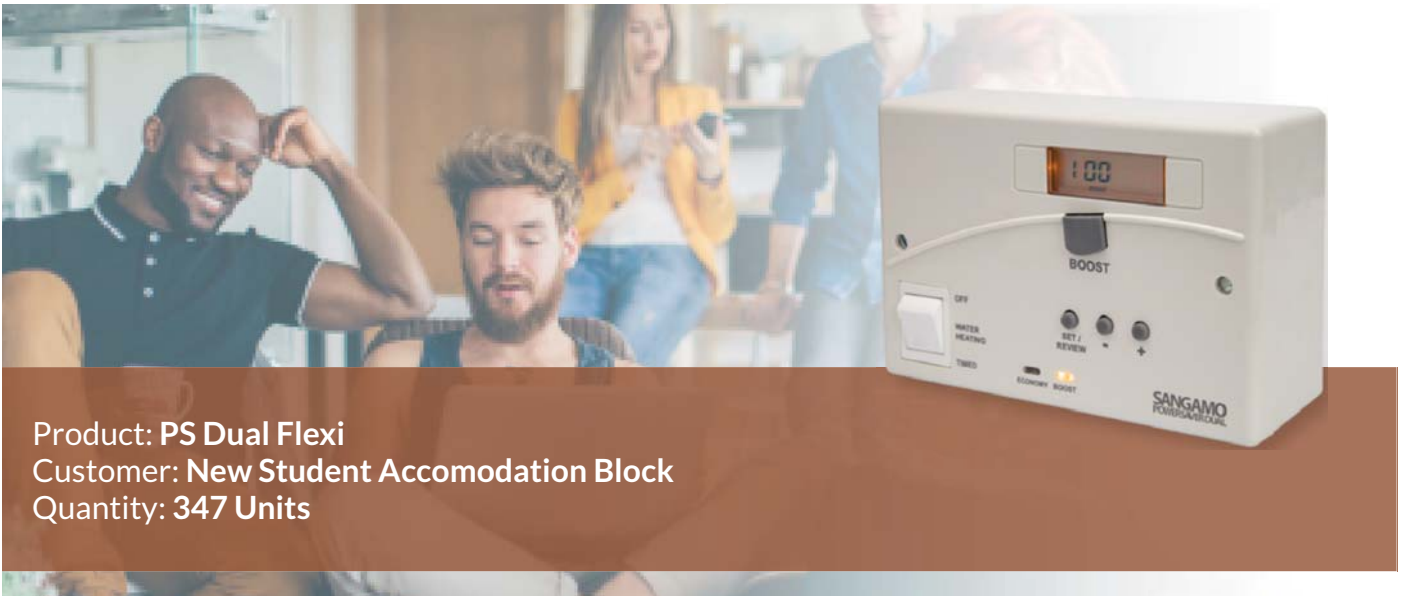
www.sangamo.co.uk

Control of panel heaters



Product: PS Select
Customer: Apartment Block Refurbishment (Contractor)
Quantity: 46 Units

Hot water & heating control (Economy 7)



Product: PS Dual Flexi
Customer: New Student Accomodation Block
Quantity: 347 Units

Hot water cylinder & controls



Product: PS Dual Flexi
Customer: OEM
Quantity: 800 Units Per Year

Hot water cylinder (Economy 7)



Product: PS Dual Flexi
Customer: Various Apartment Blocks (approved by M& E Contractor)
Quantity: 3,500 Units Per Year

Panel & immersion heater control



Product: PSS & PS Dual Flexi
Customer: OEM (Supplier of Electric Heating Systems)
Quantity: 1,300 Units Per Year

Count down timer applications



Product: PS Boost
Customer: Wholesale
Quantity: 300 Units Per Year

The Sangamo Round Pattern Time Switch

With over 11 million units sold to date, the installation of a Sangamo Round Pattern Time Switch (RPTS) used to be a regular job for many electricians. Despite the electro-mechanical time switches being less common today, the company still report sales of thousands of units each month, both as replacements and as brand new installations. The same basic design of switch has been manufactured in Sangamo's Port Glasgow factory since 1951. Many of their highly skilled workforce can claim over 30, or even 40, years of service.

Many installers still trust the Sangamo RPTS for a wide variety of applications, not just for its reliability but for its ease of use. The simple dial and levers make setting the switch up for daily fixed timings a breeze with no complicated menu options to navigate through. All Round Pattern Time Switches are also 30 Amp rated, providing a more robust switch than most other products on the market.

The switches are split into four categories each containing both three-pin and four-pin connections. Three-pin switches have common clock and switch connections. This means that the same 330V ac live supply used to run the clock is also used as the live input for the switching circuit. Four-pin switches have independent clock and switch connections which enable a different AC switching circuit voltage to be controlled from that of the 330V required to run the clock, for example to switch a 110V ac machine



S350 Range

The standard 'black dial' 34-hour time switch with day omitting options to stop the switch functioning on selected days.

Q550 Standard Range

A 34-hour 'red dial' switch with added battery reserve to keep the switch in time if any power outage occurs. Available with a variety of day omit and early on and early off varieties as well as a 110V model and a 30A/10A SPDT Changeover time switch.

Q550 Solar Range

The much loved solar/astro time switch specially designed for lighting applications. A series of gears and cams move the on and off operations throughout the year to match sunrise and sunset times without need for a photo sensitive cell. Each model is available in four solar zones that allow for the slightly different sunrise/sunset times throughout the UK.

E850 Digital Range

the newest addition to the Round Pattern Time Switch range, the same trusted switch but with an intuitive digital LCD screen replacing the dial which allows for up to 96 operations per day and seven-day programming while keeping the 30A rating as its mechanical counterpart.

With 37 different models split across the four ranges, Sangamo offers a customer support line where their staff can assist installers in finding the right switch for each application.

Sangamo's Managing Director, Mark Robinson, observes: "We regularly hear from people with Round Pattern Time Switches still going strong after 40 and 50 years. When they eventually need a new switch they reasonably assume, because of its age, that it might not be possible to get a direct like for like replacement. However, because the original design has never needed to be updated, an RPTS you buy today is completely interchangeable with one bought decades ago.

"We also meet many electricians and specifiers who still make the RPTS the first choice for many applications including car park lighting, stairwell lighting, commercial heating systems and timed equipment control."



Refurbishment of street lighting



Product: Q551
Customer: Maintenance Dept. of Local Authority
Quantity: 350 Units

Illumination of window displays



Product: Q554
Customer: Shop Fitters, Retail
Quantity: 135 Units

Factory machinery control



Product: S354
Customer: Industrial
Quantity: 56 Units

School security lighting



Product: Q550
Customer: Contractor to Local Authority
Quantity: 33 Units

Lighting communal areas



Product: Q553
Customer: Contractor to a Housing Association
Quantity: 35 Units

HVAC



Product: E855
Customer: Panel Manufacturer for retail application
Quantity: 1,850 units over 3 years

CHOICE	
CSTAT	A 16A cylinder thermostat to regulate the temperature of stored water.
FSTAT	A tamper proof frost thermostat to protect the heating system and localised pipework.
PR1n	1 channel programmer. Ideal for use with combi boilers with one heating zone. Volt free contact.
PR1si	1 channel programmer with Service Interval function. Ideal for use with combi boilers with one heating zone. Volt free contacts.
PR3n	3 channel programmer. designed for separate control of heating and stored hot water.
PR3si	3 channel programmer with Service Interval function. designed for separate control of heating and stored hot water.
PR3n	3 channel programmer. Offers control of 3 separate heating zones and stored hot water. Ideal for dwellings over 150m ³ .
PR3si	3 channel programmer with Service Interval function. Offers control of 3 separate heating zones and stored hot water. Ideal for dwellings over 150m ³ .
RSTAT1	Mechanical, 3-wire, 10A room thermostat, designed to provide simple automatic on/off control. Volt free contact.
RSTAT1t	Mechanical, 3-wire, 10A room thermostat with tamper proof cover, designed to provide simple automatic on/off control. Volt free contact.
RSTAT3	A digital, 3-wire, 3A room thermostat. The LCD screen gives a clear temperature readout. Volt free contact.
RSTAT3 RF	A wireless digital 16A room thermostat. The LCD screen gives a clear temperature readout. Volt free contact.
RSTAT9 RF	A wireless digital 6A programmable 7 day room thermostat. Volt free contact.
DIN & PANEL	
11003	Standard analogue, 1 module, 34 hour timer. For DIN rail mounting. Volt free contact.
16631	Standard analogue 34 hour timer with battery reserve. Can be surface mounted or panel mounted. Volt free contact.
16633	Standard analogue 34 hour timer that can be surface mounted or panel mounted. Volt free contact.
16931	Standard analogue 7 day timer with battery reserve. Can be surface mounted or panel mounted. Volt free contact.
16933	Standard analogue 7 day timer that can be surface mounted of panel mounted. Volt free contact.
33871	Standard, 1 channel, 7 day timer. Can be panel or surface mounted. Works with key programming & EasyVue (key & hub optional extras). Volt free contact.
33873	Standard, 3 channel, 7 day timer. Can be panel or surface mounted. Works with key programming & EasyVue (key & hub optional extras). Volt free contacts.
35163	Standard, 1 channel, 3 module, yearly timer for DIN rail mounting. Works with key programming & EasyVue (key & hub optional extras). Volt free contact.
36404	Standard, 4 channel, 4 module, 7 day timer for DIN rail mounting. Works with key programming & EasyVue (key & hub optional extras). Volt free contacts.
71101	Astro, 1 channel, 1 module, 7 day timer for DIN rail mounting. Works with key programming & EasyVue (key & hub optional extras). Volt free contact.
71111	Standard, 1 channel, 1 module, 7 day timer for DIN rail mounting. Works with EasyVue (hub optional extra). Volt free contact.
73101	Astro, 1 channel, 3 module, 7 day timer for DIN rail mounting. Works with EasyVue (hub optional extras). Volt free contact.
73103 NFC	Astro, 1 channel, 3 module, 34 hour timer for DIN rail mounting. Works with Android NFC phones to allow contactless app programming. Volt free contact.
73103 NFC	Astro, 1 channel, 3 module, 7 day timer for DIN rail mounting. Works with Android NFC phones to allow contactless app programming. Volt free contact.
73113	Standard, 1 channel, 3 module, 7 day timer for DIN rail mounting. Works with key programming & EasyVue (key & hub optional extras). Volt free contact.
73113 NFC	Standard, 1 channel, 3 module, 7 day timer for DIN rail mounting. Works with Android NFC phones to allow contactless app programming. Volt free contact.
73301	Astro, 3 channel, 3 module, 7 day timer for DIN rail mounting. Works with key programming & EasyVue (key & hub optional extras). Volt free contact.
73303 NFC	Astro, 3 channel, 3 module, 7 day timer for DIN rail mounting. Works with Android NFC phones to allow contactless app programming. Volt free contacts.
73313	Standard, 3 channel, 3 module, 7 day timer for DIN rail mounting. Works with key programming & EasyVue (key & hub optional extras). Volt free contacts.
73313 NFC	Standard, 3 channel, 3 module, 7 day timer for DIN rail mounting. Works with Android NFC phones to allow contactless app programming. Volt free contacts.
POWERSAVER	
PS Dual Flexi	13A dual immersion timer for use with low tariff rates; Economy 7, Economy 10 and Eco 30:30. Includes the ability to minimise operating times.
PSB	A 16A run-back timer with 30 min, 1 hour and 3 hour boost periods. Ideal for applications that need short operating times.
PSS	Combined 34 hour, 5/3 day and 7 day 16A timer in one unit. With 30 min, 1 hour and 3 hour boost periods.
RPTS	
E854	Digital standard 3-pin, 30A, 7 day time switch, up to 96 operations per day. Contains battery reserve. Auto BST/GMT changeover.
E855	Digital standard 4-pin, 30A, 7 day time switch, up to 96 operations per day. Contains battery reserve. Auto BST/GMT changeover.
Q550.13.11	Astro 3-pin, 30A mechanical time switch with battery reserve, day 'omit on' function, optional early off. Zone 1 - 50°N (Plymouth, Southampton, Brighton)
Q550.13.13	Astro 3-pin, 30A mechanical time switch with battery reserve, day 'omit on' function, optional early off. Zone 3 - 53°N (London, Bristol, Birmingham, Leicester)
Q550.13.13	Astro 3-pin, 30A mechanical time switch with battery reserve, day 'omit on' function, optional early off. Zone 3 - 54°N (Manchester, Sheffield, Newcastle, Belfast)
Q550.13.14	Astro 3-pin, 30A mechanical time switch with battery reserve, day 'omit on' function, optional early off. Zone 4 - 56°N (Glasgow, Edinburgh, Aberdeen)
Q551.13.11	Astro 3-pin, 30A mechanical time switch with battery reserve, optional early off. Zone 1 - 50°N (Plymouth, Southampton, Brighton)
Q551.13.13	Astro 3-pin, 30A mechanical time switch with battery reserve, optional early off. Zone 3 - 53°N (London, Bristol, Birmingham, Leicester)
Q551.13.13	Astro 3-pin, 30A mechanical time switch with battery reserve, optional early off. Zone 3 - 54°N (Manchester, Sheffield, Newcastle, Belfast)
Q551.13.14	Astro 3-pin, 30A mechanical time switch with battery reserve, optional early off. Zone 4 - 56°N (Glasgow, Edinburgh, Aberdeen)
Q551.14.11	Astro 3-pin, 30A mechanical time switch with battery reserve, optional early off. Additional fixed on/off. Zone 1 - 50°N (Plymouth, Southampton, Brighton)
Q551.14.13	Astro 3-pin, 30A mechanical time switch with battery reserve, optional early off. Additional fixed on/off. Zone 3 - 53°N (London, Bristol, Birmingham, Leicester)
Q551.14.13	Astro 3-pin, 30A mechanical time switch with battery reserve, optional early off. Additional fixed on/off. Zone 3 - 54°N (Manchester, Sheffield, Newcastle, Belfast)
Q551.14.14	Astro 3-pin, 30A mechanical time switch with battery reserve, optional early off. Additional fixed on/off. Zone 4 - 56°N (Glasgow, Edinburgh, Aberdeen)
Q553.13.11	Astro 4-pin, 30A mechanical time switch with battery reserve, optional early off. Zone 1 - 50°N (Plymouth, Southampton, Brighton)
Q553.13.13	Astro 4-pin, 30A mechanical time switch with battery reserve, optional early off. Zone 3 - 53°N (London, Bristol, Birmingham, Leicester)
Q553.13.13	Astro 4-pin, 30A mechanical time switch with battery reserve, optional early off. Zone 3 - 54°N (Manchester, Sheffield, Newcastle, Belfast)
Q553.13.14	Astro 4-pin, 30A mechanical time switch with battery reserve, optional early off. Zone 4 - 56°N (Glasgow, Edinburgh, Aberdeen)
Q553.14.11	Astro 4-pin, 30A mechanical time switch with battery reserve, optional early off. Additional fixed on/off. Zone 1 - 50°N (Plymouth, Southampton, Brighton)
Q553.14.13	Astro 4-pin, 30A mechanical time switch with battery reserve, optional early off. Additional fixed on/off. Zone 3 - 53°N (London, Bristol, Birmingham, Leicester)
Q553.14.13	Astro 4-pin, 30A mechanical time switch with battery reserve, optional early off. Additional fixed on/off. Zone 3 - 54°N (Manchester, Sheffield, Newcastle, Belfast)
Q553.14.14	Astro 4-pin, 30A mechanical time switch with battery reserve, optional early off. Additional fixed on/off. Zone 4 - 56°N (Glasgow, Edinburgh, Aberdeen)
Q554.3	Standard 3-pin, 30A mechanical time switch with battery reserve, day 'omit on' function, 3 on/off.
Q554.3	Standard 3-pin, 30A mechanical time switch with battery reserve, day 'omit on' function, 3 on/off.
Q555.3	Standard 4-pin, 30A mechanical time switch with battery reserve, day 'omit on' function, 3 on/off.
Q555.3	Standard 4-pin, 30A mechanical time switch with battery reserve, day 'omit on' function, 3 on/off.
Q557.3	Standard 4-pin, 30A mechanical time switch with battery reserve, day 'omit off' function, 3 on/off.
Q557.3	Standard 4-pin, 30A mechanical time switch with battery reserve, day 'omit off' function, 3 on/off.
Q559.3	Standard 4-pin, 30A mechanical time switch with battery reserve, day 'omit on' function, 3 on/off. Enables the setting of an early fixed off time on one selected day each week.
Q563.3	Standard 4-pin, SPDT changeover 10/30A mechanical time switch with battery reserve, day 'omit on' function on 30A circuit. 3 on/off.
Q563.3	Standard 4-pin, SPDT changeover 10/30A mechanical time switch with battery reserve, day 'omit on' function on 30A circuit. 3 on/off.
Q586.3	Standard 4-pin, 30A mechanical time switch with battery reserve, day 'omit on' function, 3 on/off. Enables the setting of an early fixed on time on one selected day each week.
S354.3	Standard 3-pin, 30A mechanical time switch, day 'omit on' function, 3 on/off.
S354.3	Standard 3-pin, 30A mechanical time switch, day 'omit on' function, 3 on/off.
S355.3	Standard 4-pin, 30A mechanical time switch, day 'omit on' function, 3 on/off.
S355.3	Standard 4-pin, 30A mechanical time switch, day 'omit on' function, 3 on/off.

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