

# SANGAMO

PRODUCT CATALOGUE



## SANGAMO PROFILE

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

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.

## 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**

## CHOICE PROGRAMMERS

**Programmers** are a key component of heating control systems. Since many homes are unoccupied for parts of the day, there is little point in heating them if no one is there to benefit. A programmer allows the occupant to specify when the heating comes on to match their lifestyle and their heating requirements.

For many people in the UK, this simply means firing up the heating in the winter months for a couple of hours in the morning, so the house is warm when they wake up, and then firing the heating up again in the evening so the house is warm when they get home until they go to bed.

### Choice PR1n

1 channel programmer. Ideal for use with combi boilers with only one heating zone. This programmer has volt free contacts.

- 2 or 3 on/off periods selectable
- 1, 2 & 3 hour boost periods
- Holiday mode function

Also available: **Choice PR1si** (as above with Service Interval feature)



**5**  
YEAR  
GUARANTEE

BACKLIT  
DISPLAY

CHOICE



**5**  
YEAR  
GUARANTEE

BACKLIT  
DISPLAY

## Choice PR2n

2 channel programmer. Designed for separate control of heating and stored hot water. This programmer can also be used with gravity systems.

- 2 or 3 on/off periods selectable
- 1, 2 & 3 hour boost periods
- Holiday mode function

Also available: **Choice PR2si** (as above with Service Interval feature)



**5**  
YEAR  
GUARANTEE

BACKLIT  
DISPLAY

## Choice PR3n

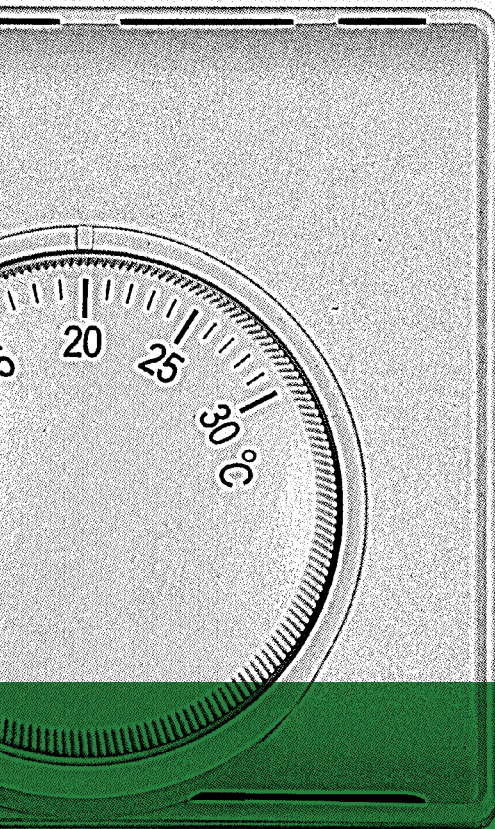
3 channel programmer offers 1 hot water channel and 2 separate heating zones, dependant on the homes plumbing but normally split upstairs & downstairs. This programmer meets the requirements of the building regulations for homes over 150m<sup>2</sup>.

- 2 or 3 on/off periods selectable
- 1, 2 & 3 hour boost periods
- Holiday mode function

Also available: **Choice PR3si** (as above with Service Interval feature)



**CHOICE**



CHOICE

## CHOICE THERMOSTATS

A **room thermostat** is used to regulate and maintain a desirable temperature throughout the home. It works by switching the heating system on and off as the temperature varies throughout the day.

For example, if the temperature drops below a certain level, a sensor in the room thermostat can be made to trigger the switch for the boiler and pump which will heat the radiators and in turn, the rooms in the home. If the room rises above a certain temperature, the thermostat will then turn off the central heating system so that your house will cool down to its desired temperature once more.

### Choice RSTAT1

A 2-wire, 10A mechanical thermostat. Dial audibly 'clicks' when passing the current temperature so it's easy to tell when you're switching on & off. The RSTAT1 has three terminals so can be used for heating only, cooling only or heating and cooling.

- Dual diaphragm sensing element
- For heating, cooling or both
- 10 to 30°C set point range





**5**  
YEAR  
GUARANTEE

ErP Class  
**I**  
+1%

## Choice RSTAT1t

A tamper proof version of the RSTAT1. Thermostat has the exact same specifications as the RSTAT1 but comes with a tamperproof cover that prevents unwanted changing of the set temperature.

- Dual diaphragm sensing element
- For heating, cooling or both
- 10 to 30°C set point range



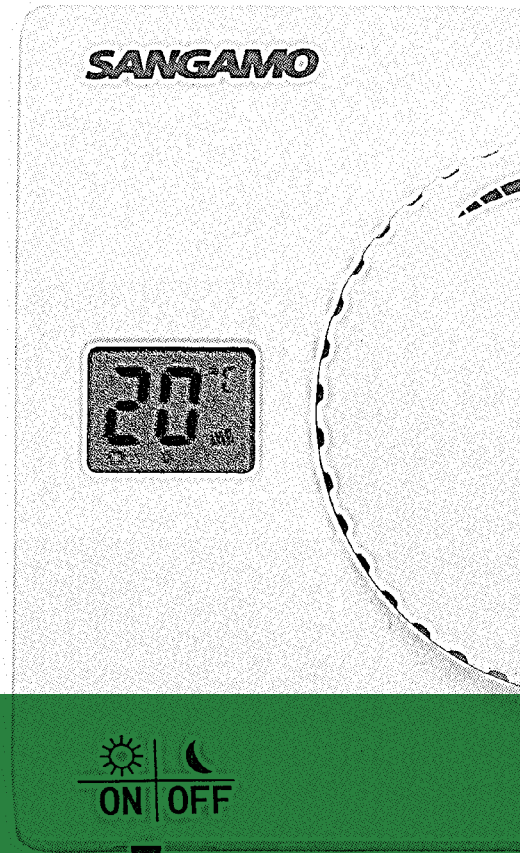
**5**  
YEAR  
GUARANTEE

ErP Class  
**I**  
+1%

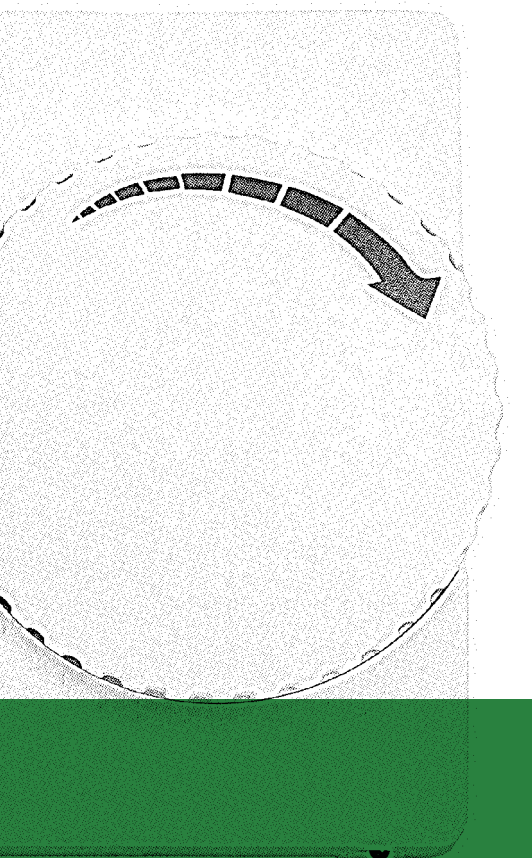
## Choice RSTAT3

A 2-wire, 3A digital thermostat. Features an LCD displaying the current temperature (or the set temperature when moving the dial). A switch on the bottom can be set to an on/off mode or comfort/economy mode which reduces the set temperature by 4 degrees at night.

- LCD showing room temperature
- Comfort/Economy or On/Off mode
- 5 to 30°C set point range
- Frost protection
- Large, easy to adjust dial



**CHOICE**



CHOICE

The biggest barrier to changing a heating system is the fact that what is installed already usually dictates what is achievable now. With **wireless controls**, this restriction is removed it is now easier to improve the efficiency of a heating system. They can be added to almost any system with the absolute minimum of fuss, mess and disruption.

Wireless controls can be fitted in places where no cables have been laid saving on time and cost of redecorating.

### Choice RSTAT3 RF

A wireless digital battery operated 16A room thermostat. The LCD screen gives a clear temperature readout. Volt free contacts.

- No complex wiring through walls
- Comfort/Economy or On/Off mode
- 5 to 30°C set point range
- Frost protection
- Large, easy to adjust dial





A **programmable room thermostat** lets you choose what times you want the heating to be on, and what temperature it should reach while it is on. It will allow you to select different temperatures in your home at different times of the day (and days of the week) to meet your particular needs.

Turning a programmable room thermostat to a higher setting will not make the room heat up any faster. How quickly the room heats up depends on the design of the heating system, for example, the size of boiler and radiators. Neither does the setting affect how quickly the room cools down. Turning a programmable room thermostat to a lower setting will result in the room being controlled at a lower temperature and saves energy.

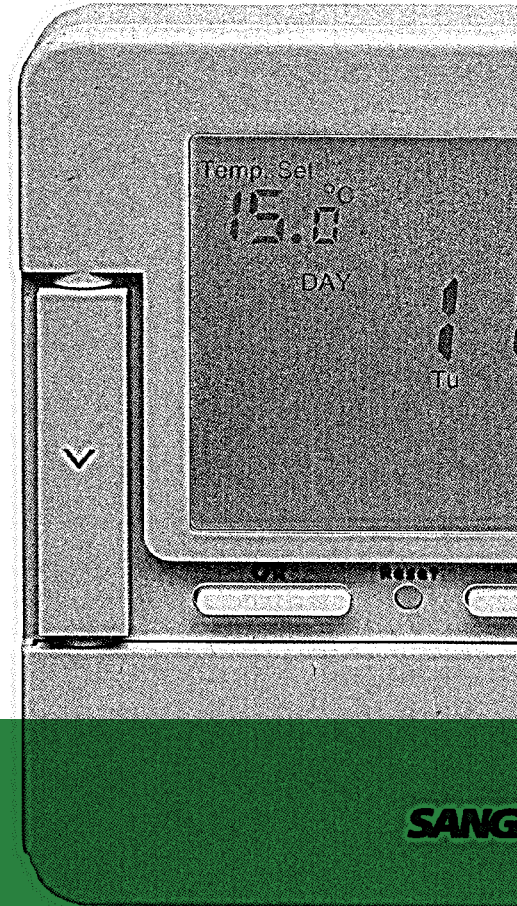
The way to set and use your programmable room thermostat is to find the lowest temperature settings that you are comfortable with at the different times you have chosen, and then leave it alone to do its job. The best way to do this is to set low temperatures first, say 18°C, and then turn them up by one degree each day until you are comfortable with the temperatures. You won't have to adjust the thermostat further. Any adjustments above these settings will waste energy and cost you more money.



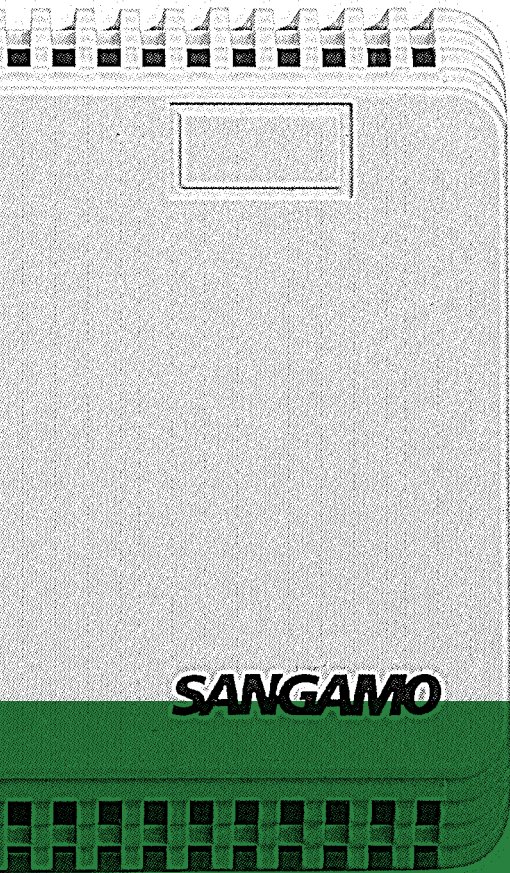
## Choice RSTAT5 RF

A wireless digital, battery operated, 16A programmable 7 day room thermostat. Volt free contacts.

- 24 hour or 7 day programmable
- 6 programmable events per day
- 5 to 35°C set point range
- Frost protection
- Button press back-lit operation



CHOICE



CHOICE

## Choice FSTAT

A 3-wire, 10A frost thermostat, used to protect the heating system and localised pipework.

- Bi-metallic sensing element
- Tamperproof cover
- -5 to 25°C set point range



**5**  
YEAR  
GUARANTEE

## Choice CSTAT

A 16A cylinder thermostat used to regulate the temperature of your stored hot water.

- Dual diaphragm sensing element
- For heating, cooling or both
- 10 to 30°C set point range



**5**  
YEAR  
GUARANTEE

## Social housing



Product: Choice PR2si  
Customer: Contractor  
Specified by: Housing Association  
Quantity: 2,200 over 12 months

## Part of boiler retrofit to upgrade heating system



Product: Choice PR1n + RSTAT3  
Customer: Heating Engineer

Quantity: 50 Units per month

## New build homes



Product: Choice PR2n  
Customer: Contractor  
Specified by: Developer  
Quantity: 614 Units

## Student accomodation



Product: Choice PR1sj  
Customer: Facilities management company  
Quantity: 4,500 Units

## Gym changing areas



Product: Choice RSTAT1t  
Customer: Commercial underfloor  
heating system supplier  
Quantity: 3,000 per year

## POWERSAVER CONTROLLERS

The **Powersaver Boost (PSB)** is a simple to use “run back” timer. The multi-press button allows 30 minutes, 1 hour or 2 hours to be selected; after which the equipment it’s controlling automatically turns off. This means expensive to run appliances can’t be left to run and forgotten about.

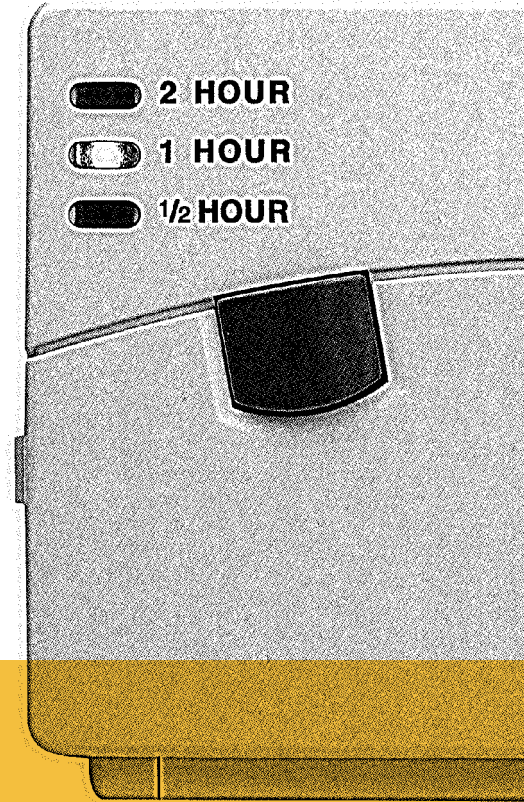
This unit is primarily designed to be used for the control of electric immersion heating but is also commonly used for heated towel rails, panel heaters, heated mirrors, air conditioning systems. The unit can handle loads up to 16A including LED lighting up to 400W.



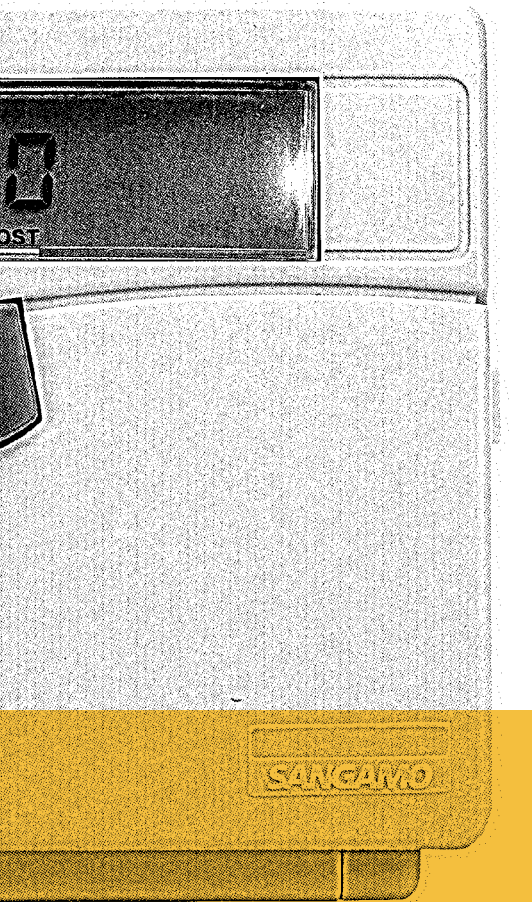
### PSB

A 16A run-back timer with 30 min, 1 hour & 2 hour boost periods. Ideal for applications that need short operating times.

- Switches appliance off automatically after boost period
- Indicator light shows boost time
- Fits directly into a single gang patress box



POWERSAVER



The Powersaver Select (PSS) is a 16A general purpose time switch which can be programmed with up to 3 On/Off periods per day. On programming the unit you can select between 7 day, 5/2 day & 24 hour programming cycles in one unit. Out-with the programming periods the large button can also be used to boost for 30 mins, 1 hour or 2 hours.

The unit is primarily designed to control immersion heating/electric storage heaters up to 3kW but is also commonly used for heated towel rails, panel heaters & ventilation systems. The unit can handle loads up to 16A including LED lighting up to 400W

This product directly replaces our three discontinued products;  
PSD - Powersaver Daily (24 Hour),  
PSW - Powersaver Weekly (5/2 Day),  
PS24/7 - Powersaver 24/7 (7 Day);  
combining them all into the one product.

## PSS

Combined 24 hour, 5/2 day & 7 day 16A electronic timer in one unit. 30 min, 1 hour & 2 hour boost period.

- Program up to 3 on/off operations per day
- Button lock feature
- Fits directly into a single gang patress box



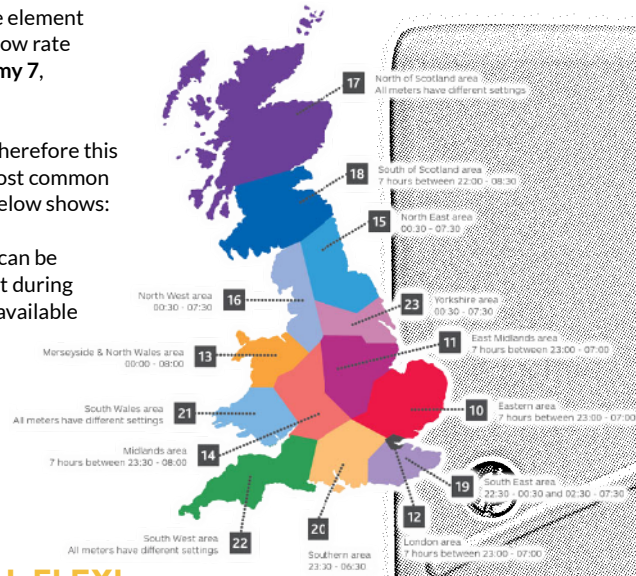
The Powersaver PS Dual Flexi is a controller for Dual, Twin or Single element immersion heaters. It is designed to heat stored water only when a low rate electricity tariff is active and can be used with the following; **Economy 7**, **Economy 10** & **Eco 20:20**.

The pre-set times cannot be altered outwith their maximum times therefore this cannot be used as a general purpose time switch. Economy 7, the most common low rate tariff, is set by local electricity suppliers by region as map below shows:

These times correspond to pre-set times in the PS Dual Flexi which can be selected on installation. This ensures the boiler is not calling for heat during peak times, although boost button and boost program features are available for times when a top up is needed.

In order to assist users reduce their energy bills further the preset times can be reduced further, if a home doesn't require as much hot water or for it to be heated for as long then that can be reduced.

The same features are available on Economy 10 & Eco 20:20 settings.



## PS DUAL FLEXI

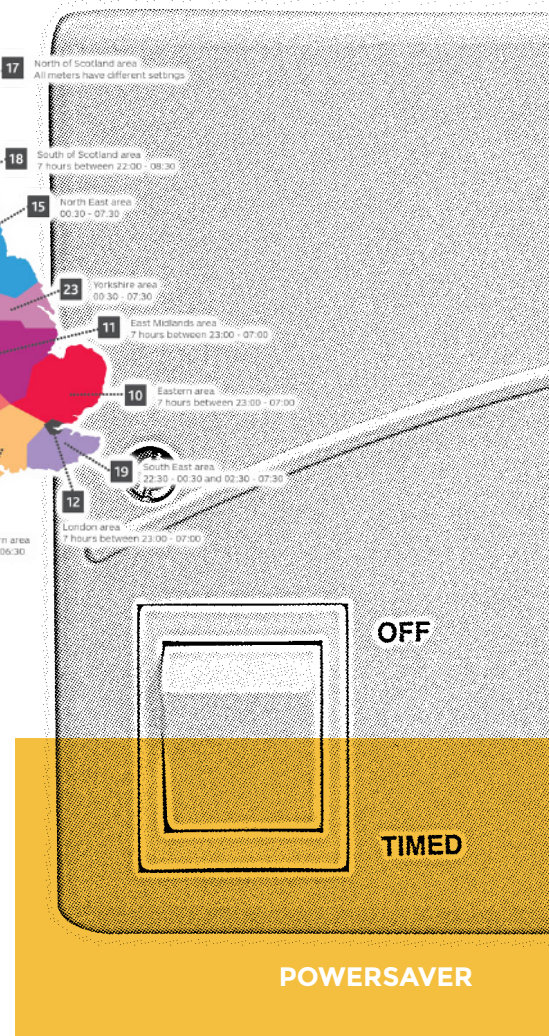
13A dual immersion timer for use with low tariffs; Economy 7, Economy 10 & Eco 20:20. With the ability to minimise operating times.

- Control loads up to 3kW
- Suitable for single, dual & twin immersion elements
- Preset programs can be reduced but not increased out-with off-peak



**5**  
YEAR  
GUARANTEE

BACKLIT  
DISPLAY



**POWERSAVER**

## 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  
Accommodation Block  
Quantity: 247 Units

## Hot water cylinder & controls



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

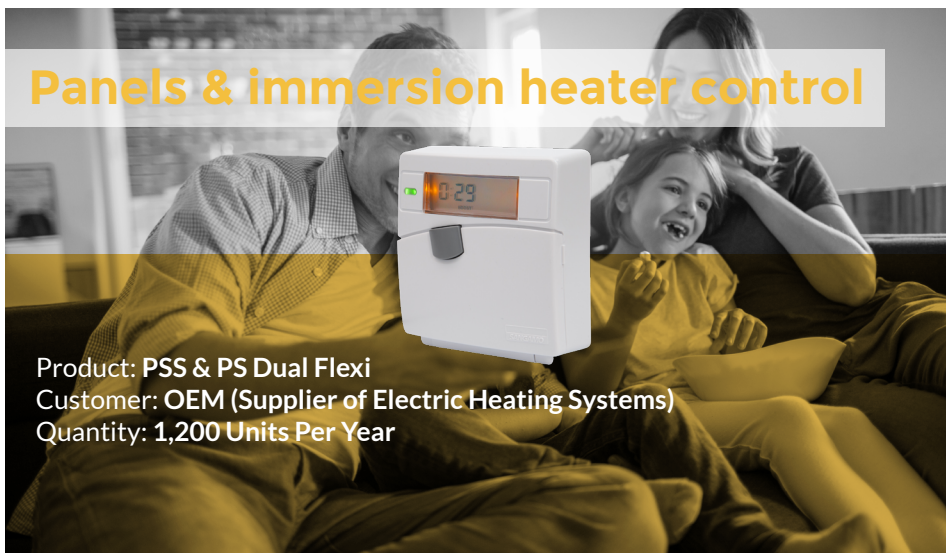


## Hot water cylinder (Economy 7)



Product: PS Dual Flexi  
Customer: Various Apartment  
Blocks (approved by M& E Contractor)  
Quantity: 2,500 Units Per Year

## Panels & immersion heater control

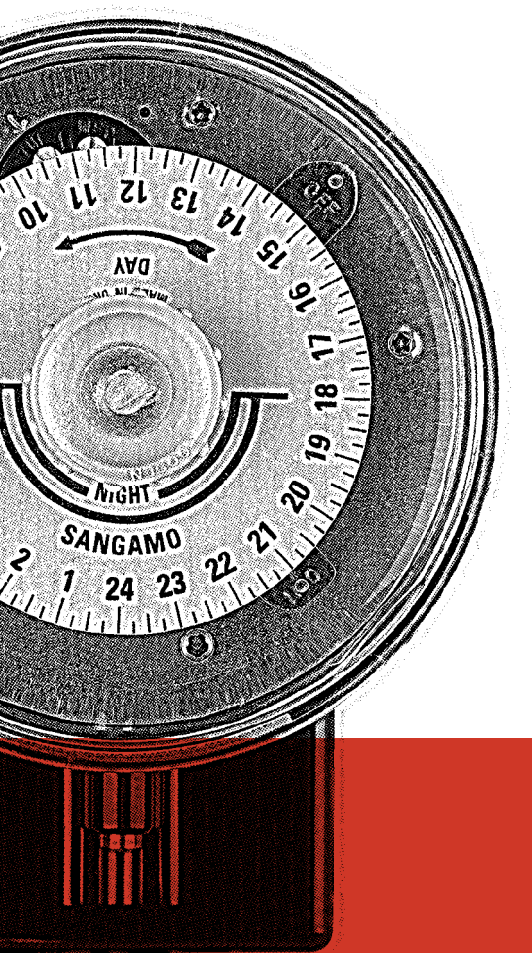


Product: PSS & PS Dual Flexi  
Customer: OEM (Supplier of Electric Heating Systems)  
Quantity: 1,200 Units Per Year

## Count down timer applications



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



RPTS

## ROUND PATTERN TIME SWITCHES

Sangamo have manufactured the renowned RPTS from our Port Glasgow factory since 1951, having sold over **11 million switches and counting**. These 20A switches are famous for their high capacity, quality and reliability.

We often hear from customers who have had switches installed for over **5 decades** and often on their second use, having outlived the equipment they were bought

### S250 Standard

The original RPTS model for those that need simple on & off switching of up to 20A. The dial is 24 hour but contains a Day Omit device which skips the ON operation on selected days of the week. These switches come with either 2 or 3 sets of ON & OFF arms. To set the switch you simply loosen the center screw, move the arms around the dial to match up with the switching times and re-tighten.



**5**  
YEAR  
GUARANTEE

BACKLIT  
DISPLAY

**S254.2** (0254020171) - 3-pin with 2 on/off operations, Day Omit skips ON operation

**S254.3** (0254030171) - 3-pin with 3 on/off operations, Day Omit skips ON operation

**S255.2** (0255020171) - 4-pin with 2 on/off operations, Day Omit skips ON operation

**S255.3** (0255030171) - 4-pin with 3 on/off operations, Day Omit skips ON operation

### 3-pin or 4-pin?

3-pin switches have common clock & switch connections. 4-pin switches have independent clock & switch connections enabling the use of a different switching circuit voltage, a Volt Free Contact, in effect.



## Q550 Standard

The 'red dial' time switch. Sangamo RPTS with red print on the dial contain a 100 hour battery reserve. These switches offer a wider range of variations and options than the S250 Range.



- Q554.2** (0554020011) - 3-pin with 2 on/off operations, Day Omit skips ON operation
- Q554.3** (0554030011) - 3-pin with 3 on/off operations, Day Omit skips ON operation
- Q555.2** (0555020011) - 4-pin with 2 on/off operations, Day Omit skips ON operation
- Q555.3** (0555030011) - 4-pin with 3 on/off operations, Day Omit skips ON operation

As well as these standard versions we also offer the following specialised variations;

- Q555.2 110v** (0555020013) - 4-pin with 2 on/off operations, Day Omit skips ON operation, 110v supply
- Q557.2** (0557020011) - 4-pin with 2 on/off operations, Day Omit skips OFF operation
- Q557.3** (0557030011) - 4-pin with 3 on/off operations, Day Omit skips OFF operation
- Q559.2** (0559020011) - 4-pin with 2 on/off operations, Day Omit skips ON operation, Early OFF on a select day
- Q563.2** (0563020011) - 4-pin with 2 on/off operations, Day Omit skips ON operation, 10/20A SPDT Changeover
- Q563.3** (0563030011) - 4-pin with 3 on/off operations, Day Omit skips ON operation, 10/20A SPDT Changeover
- Q586.2** (0586020011) - 4-pin with 2 on/off operations, Day Omit skips ON operation, Early ON on a select day

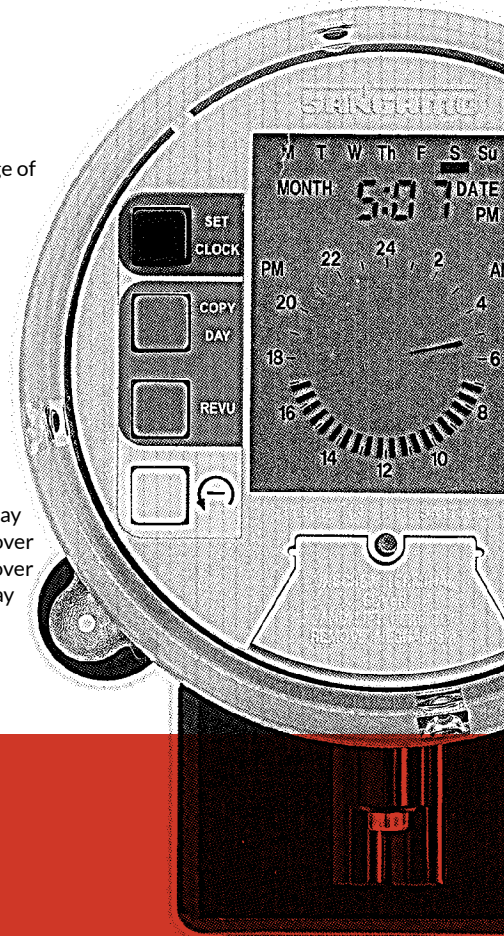


## E850 Standard

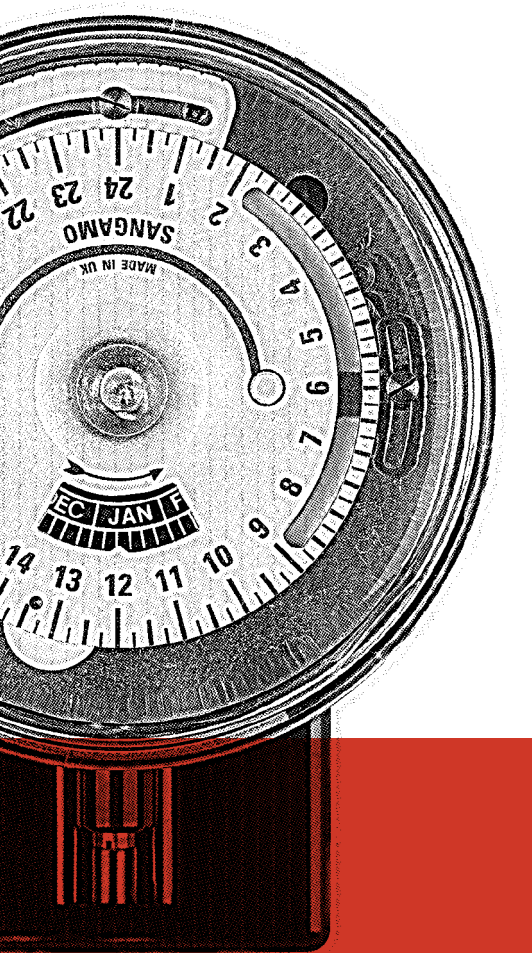
Digital RPTS' combine the high capacity and reliability of the electro-mechanical models but provide full 7 day programming, allowing for more complex fixed time program schedules. The unit is easy & intuitive to program by painting in and wiping out segments on the dial face.



- E854** (085400024001) - 3-pin with up to 48 on/off operations,
- E855** (085500024001) - 4-pin with up to 48 on/off operations,



RPTS



RPTS

## Q550 Astro/Suntracker

Astro/Suntracker switches automatically adjust themselves to follow Sunrise/Sunset times throughout the year. This makes them ideal for controlling external and internal lighting loads up to 20A or 3,600W of LED lighting with no need for a sensor.

As these switches track the motion of the sun & not the time it should be set to GMT & left all year so there's no need to worry about summer & winter clock changes, the switch does it all its self. The month dial controls the brass sunset/sunrise arms automatically to keep the lights switching at the right time each day.

All models also contain a 100 hour battery reserve.



Because Sunset & Sunrise times vary through the length of the British Isles by as much as 40 minutes at certain times of year.

Our RPTS Astro models come in 4 zone variations to make the switching times more accurate. Additionally, users can alter the longitude setting away from the 0° longitude line to focus the accuracy in further, if required.

2on/off models have a second set of fixed time operating arms, allowing you to set your lighting to go off for a set period overnight while still benefiting from the sunset and sunrise programming.

- Q550.13.11** (0550130011) - 3-pin with 1 on/off operation, Day Omit skips ON operation, Zone 1
- Q550.13.12** (0550130012) - 3-pin with 1 on/off operation, Day Omit skips ON operation, Zone 2
- Q550.13.13** (0550130013) - 3-pin with 1 on/off operation, Day Omit skips ON operation, Zone 3
- Q550.13.14** (0550130014) - 3-pin with 1 on/off operation, Day Omit skips ON operation, Zone 4

- Q551.13.11** (0551130011) - 3-pin with 1 on/off operation and optional early off, Zone 1
- Q551.13.12** (0551130012) - 3-pin with 1 on/off operation and optional early off, Zone 2
- Q551.13.13** (0551130013) - 3-pin with 1 on/off operation and optional early off, Zone 3
- Q551.13.14** (0551130014) - 3-pin 1on/off operation and optional early off, Zone 4

- Q551.14.11** (0551140011) - 3-pin with 2 on/off operations, Zone 1
- Q551.14.12** (0551140012) - 3-pin with 2 on/off operations, Zone 2
- Q551.14.13** (0551140013) - 3-pin with 2 on/off operations, Zone 3
- Q551.14.14** (0551140014) - 3-pin with 2 on/off operations, Zone 4

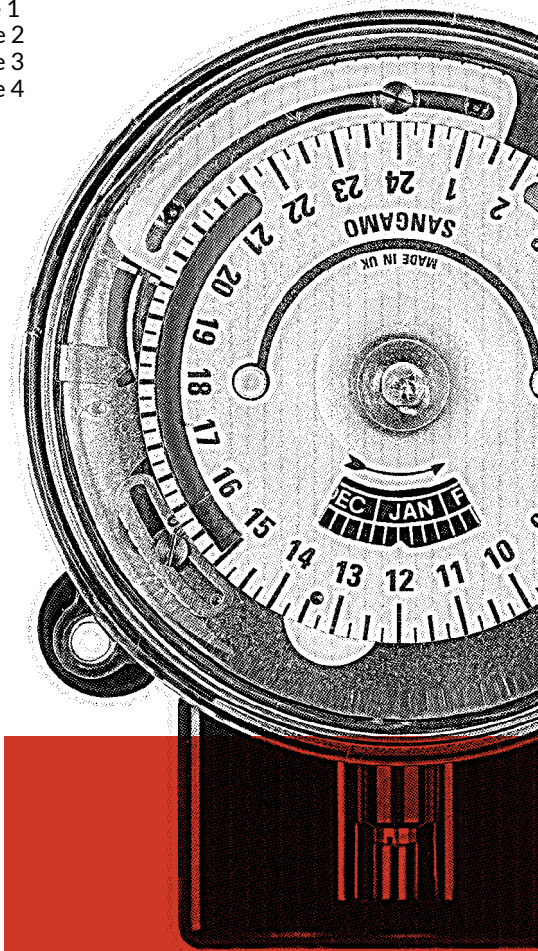
- Q553.13.11** (0553130011) - 4-pin with 1on/off operation and optional early off, Zone 1
- Q553.13.12** (0553130012) - 4-pin with 1on/off operation and optional early off, Zone 2
- Q553.13.13** (0553130013) - 4-pin with 1on/off operation and optional early off, Zone 3
- Q553.13.14** (0553130014) - 4-pin with 1on/off operation and optional early off, Zone 4

- Q553.14.11** (0553140011) - 4-pin with 2 on/off operations, Zone 1
- Q553.14.12** (0553140012) - 4-pin with 2 on/off operations, Zone 2
- Q553.14.13** (0553140013) - 4-pin with 2 on/off operations, Zone 3
- Q553.14.14** (0553140014) - 4-pin with 2 on/off operations, Zone 4



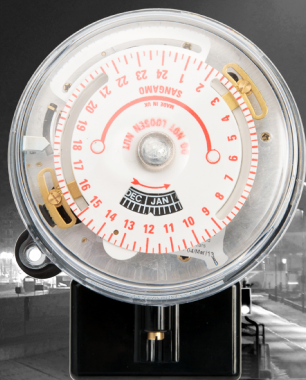
**5**  
YEAR  
GUARANTEE

BACKLIT  
DISPLAY



**RPTS**

## Refurbishment of street lighting



Product: Q551  
Customer: Maintenance Dept. of Local Authority  
Quantity: 250 Units

## Illumination of window displays



Product: Q554  
Customer: Shop Fitters, Retail  
Quantity: 125 Units

## Factory machinery control



Product: S254  
Customer: Industrial  
Quantity: 56 Units

## School Security Lighting



Product: Q550  
Customer: Contractor to Local  
Authority  
Quantity: 32 Units

## Lighting communal areas



Product: Q553  
Customer: Contractor to a Housing  
Association  
Quantity: 25 Units

## HVAC



Product: E855  
Customer: Panel Manufacturer for retail application  
Quantity: 1,850 units over 2 years



DIN & PANEL

## NFC DIN RAIL TIME SWITCHES

NFC (Near Field Communication) is a wireless communication protocol that allows you to program the switch using the free **Sangamo Connect** app on an Android NFC Smartphone.

This works the same way as contactless bank cards, oyster travel cards and mobile payment systems.

You set the program up on the app and hold the phone next to the switch to read, write or transfer programming times.

### 72113 NFC

**Standard**, 1 channel, 2 module, 7 day timer.  
For DIN rail mounting. Works with Android  
NFC phones to allow contactless app  
programming

- Volt-free 16A changeover contact
- 56 memory locations
- Self-optimised energy consumption

Also available: **72213 NFC** (as above with 2 channels)







5  
YEAR  
GUARANTEE

200W  
LED

NFC

ASTRO  
SUNTRACKER

BACKLIT  
DISPLAY

## 72102 NFC

**Astro**, 1 channel, 2 module, 24 hour timer. For DIN rail mounting. Works with Android NFC phones to allow contactless app programming

- Volt-free 16A changeover contact
- 4 memory locations
- Self-optimised energy consumption



5  
YEAR  
GUARANTEE

200W  
LED

NFC

ASTRO  
SUNTRACKER

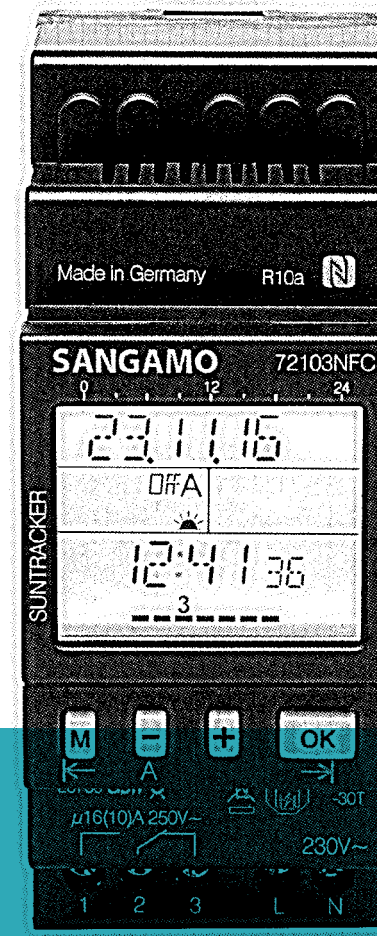
BACKLIT  
DISPLAY

## 72103 NFC

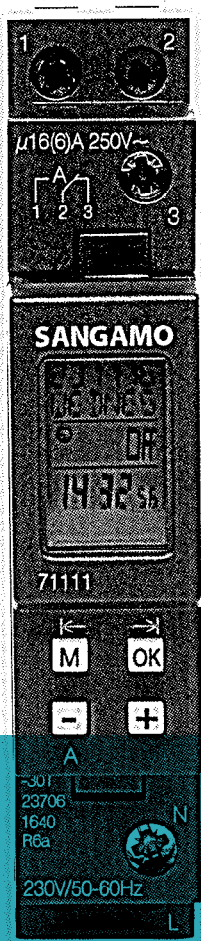
**Astro**, 1 channel, 2 module, 7 day timer. For DIN rail mounting. Works with Android NFC phones to allow contactless app programming

- Volt-free 16A changeover contact
- 56 memory locations
- Self-optimised energy consumption

Also available: **72203 NFC** (as above with 2 channels)



DIN & PANEL



DIN & PANEL

## DIN RAIL TIME SWITCHES

All Sangamo's DIN Rail mountable time switches are designed for 35mm "Top Hat" rail. Switches come in 1, 2 or 4 modules, each module is 17.5mm wide and takes up that many slots in a DIN enclosure.

Using the **25195** USB Hub or **25196** USB Hub with Bluetooth and Sangamo EasyVue software programs can be set up on a PC and transferred to a **25193** Data Key to one or multiple switches. 1 module switches do not require a Data Key as the fascia can be removed and slotted into the Hub directly.

### Pulse Programming

Short term switching at fixed times. Ideal for school bells, sirens, churches, etc. A burst from 1 second up to 59m59s can be programmed into the unit. This feature appears on all standard switches.

#### 71111

**Standard**, 1 channel, 1 module, 7 day timer. For DIN rail mounting. Works with key programming & EasyVue (key & hub optional extras).

- Volt-free 16A changeover contact
- 46 memory locations
- Slim 1 module timer for when space is at a premium
- Removable fascia for easy programming



**5**  
YEAR  
GUARANTEE

**50W**  
LED



5  
YEAR  
GUARANTEE

300W  
LED

BACKLIT  
DISPLAY

## 72112

**Standard**, 1 channel, 2 module, 7 day timer.  
For DIN rail mounting. Works with key programming & EasyVue (key & hub optional extras).

- Volt-free 16A changeover contact
- 46 memory locations
- Pulse programming function

Also available: [72212](#) (as above with 2 channels)



5  
YEAR  
GUARANTEE

200W  
LED

BACKLIT  
DISPLAY

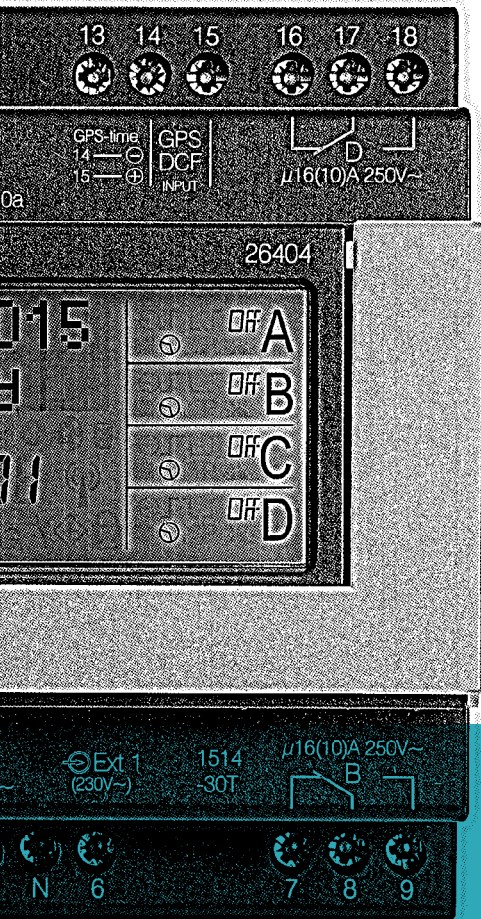
## 25162

**Standard**, 1 channel, 2 module, yearly timer.  
For DIN rail mounting. Works with key programming & EasyVue (key & hub optional extras).

- Volt-free 16A changeover contact
- 300 memory locations
- Easter, Weekday, Pulse & Extra switching functions



DIN & PANEL



## DIN & PANEL

### 26404

**Standard**, 4 channel, 4 module, 7 day timer. For DIN rail mounting. Works with key programming & EasyVue (key & hub optional extras).

- Volt-free 16A changeover contact
- 300 memory locations
- Pulse programming function
- Control multiple applications from one switch



### 23871

**Standard**, 1 channel, 7 day timer. Can be panel or surface mounted. Works with key programming & EasyVue (key & hub optional extras).

- Volt-free 16A changeover contact
- 46 memory locations
- Large display with two text lines

Also available: **23872** (as above with 2 channels)



## Astro/Suntracker

These switches automatically program their sunset & sunrise time based on where you are. This can be set one of two ways;

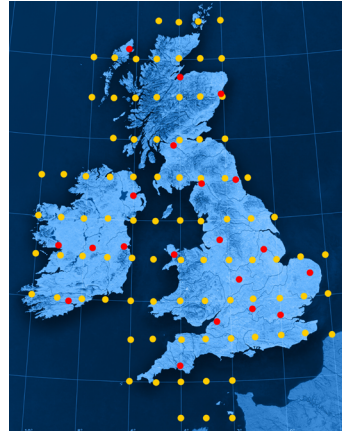
**LOCATION** selecting the nearest city to you ;

**UK:** Aberdeen, Belfast, Birmingham, Bristol, Caernarfon, Carlisle, Glasgow, Inverness, Lincoln, London, Manchester, Newcastle, Norwich, Oxford, Plymouth or Stornoway

**Ireland:** Cork, Dublin, Galway or Tullamore

**POSITION** inputting your co-ordinates;

Setting the nearest whole longitude & latitude



You can also set a fixed off period in-between switchings or choose to have the lighting on continuously and also program up to 90 minutes of offset at either end so that the lighting comes on a set time before it gets dark and stays on after sunrise.

**71101** - 1 channel, 1 module, 7 day, 60 memory locations. Blank key not required.

**72101** - 1 channel, 2 module, 7 day, 60 memory locations.

**72201** - 2 channel, 2 module, 7 day, 60 memory locations.



**5**  
YEAR  
GUARANTEE

**200W**  
LED

BACKLIT  
DISPLAY



**DIN & PANEL**



DIN & PANEL

## ANALOGUE TIME SWITCHES

### 16621

**Standard**, analogue 24 hour timer that can be surface mounted or panel mounted.

- Volt-free 16A changeover contact
- Each tappit controls 10 mins
- With battery reserve
- Optional panel mount kit available

**5**  
YEAR  
GUARANTEE



### 16921

**Standard**, analogue 7 day timer that can be surface mounted or panel mounted.

- Volt-free 16A changeover contact
- Each tappit controls 1 hour
- With battery reserve
- Optional panel mount kit available

**5**  
YEAR  
GUARANTEE



**5**  
YEAR  
GUARANTEE

**200W**  
LED



## 11002

**Standard**, analogue, 1 module, 24 hour timer.  
For DIN rail mounting.

- Volt-free 16A changeover contact
- Each tappit controls 15 mins
- With battery reserve

**5**  
YEAR  
GUARANTEE



## 16622

**Standard**, analogue 24 hour timer that can be  
surface mounted or panel mounted.

- Volt-free 16A changeover contact
- Each tappit controls 10 mins
- No battery reserve
- Optional panel mount kit available

**5**  
YEAR  
GUARANTEE



## 16922

**Standard**, analogue 7 day timer that can be  
surface mounted or panel mounted.

- Volt-free 16A changeover contact
- Each tappit controls 1 hour
- No battery reserve
- Optional panel mount kit available



**DIN & PANEL**

## Energy saving system for battery recharging



Product: 72203 NFC  
Customer: National Discount Stores  
Quantity: 300 Units

## Roadside signage & street furniture illumination



Product: 72101  
Customer: City Council  
Quantity: 10 Units Per Month

## Refridgeration systems



Product: 72113 NFC  
Customer: Manufacturer  
Quantity: 25 Units



## Stairwell & communal lighting areas



Product: 71101  
Customer: Contractors to City Council  
Quantity: 2,400 Units over 2 Years

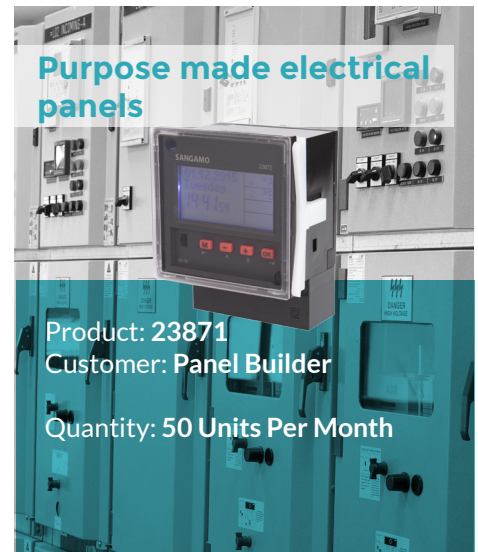
## Energy saving lighting system



Product: 72102 NFC  
Customer: Car Dealership

Quantity: 132 Units

## Purpose made electrical panels



Product: 23871  
Customer: Panel Builder

Quantity: 50 Units Per Month

Choice CSTAT	A 16A cylinder thermostat to regulate the temperature of stored water.
Choice FSTAT	A tamper proof frost thermostat to protect the heating system and localised pipework.
Choice PR1n	1 channel programmer. Ideal for use with combi boilers with one heating zone. Volt free contact.
Choice PR1si	1 channel programmer with Service Interval function. Ideal for use with combi boilers with one heating zone. Volt free contacts.
Choice PR2n	2 channel programmer. designed for separate control of heating and stored hot water.
Choice PR2si	2 channel programmer with Service Interval function. designed for separate control of heating and stored hot water.
Choice PR3n	3 channel programmer. Offers control of 2 separate heating zones and stored hot water. Ideal for dwellings over 150m <sup>2</sup> .
Choice PR3si	3 channel programmer with Service Interval function. Offers control of 2 separate heating zones and stored hot water. Ideal for dwellings over 150m <sup>2</sup> .
Choice RSTAT1	Mechanical, 2-wire, 10A room thermostat, designed to provide simple automatic on/off control. Volt free contact.
Choice RSTAT1t	Mechanical, 2-wire, 10A room thermostat with tamper proof cover, designed to provide simple automatic on/off control. Volt free contact.
Choice RSTAT3	A digital, 2-wire, 3A room thermostat. The LCD screen gives a clear temperature readout. Volt free contact.
Choice RSTAT3 RF	A wireless digital 16A room thermostat. The LCD screen gives a clear temperature readout. Volt free contact.
Choice RSTAT5 RF	A wireless digital 16A programmable 7 day room thermostat. Volt free contact.
PS Dual Flexi	13A dual immersion timer for use with low tariff rates; Economy 7, Economy 10 and Eco 20:20. Includes the ability to minimise operating times.
PSB	A 16A run-back timer with 30 min, 1 hour and 2 hour boost periods. Ideal for applications that need short operating times.
PSS	Combined 24 hour, 5/2 day and 7 day 16A timer in one unit. With 30 min, 1 hour and 2 hour boost periods.
E854	Digital standard 3-pin, 20A, 7 day time switch, up to 96 operations per day. Contains battery reserve. Auto BST/GMT changeover.
E855	Digital standard 4-pin, 20A, 7 day time switch, up to 96 operations per day, Contains battery reserve. Auto BST/GMT changeover.
Q550.13.11	Astro 3-pin, 20A mechanical time switch with battery reserve, day 'omit on' function, optional early off. 1 on/off. Zone 1 - 50°N (Plymouth, Southampton, Brighton)
Q550.13.12	Astro 3-pin, 20A mechanical time switch with battery reserve, day 'omit on' function, optional early off. 1 on/off. Zone 2 - 52°N (London, Bristol, Birmingham, Leicester)
Q550.13.13	Astro 3-pin, 20A mechanical time switch with battery reserve, day 'omit on' function, optional early off. 1 on/off. Zone 3 - 54°N (Manchester, Sheffield, Newcastle, Belfast)
Q550.13.14	Astro 3-pin, 20A mechanical time switch with battery reserve, day 'omit on' function, optional early off. 1 on/off. Zone 4 - 56°N (Glasgow, Edinburgh, Aberdeen)
Q551.13.11	Astro 3-pin, 20A mechanical time switch with battery reserve, optional early off. 1 on/off. Zone 1 - 50°N (Plymouth, Southampton, Brighton)
Q551.13.12	Astro 3-pin, 20A mechanical time switch with battery reserve, optional early off. 1 on/off. Zone 2 - 52°N (London, Bristol, Birmingham, Leicester)
Q551.13.13	Astro 3-pin, 20A mechanical time switch with battery reserve, optional early off. 1 on/off. Zone 3 - 54°N (Manchester, Sheffield, Newcastle, Belfast)
Q551.13.14	Astro 3-pin, 20A mechanical time switch with battery reserve, optional early off. 1 on/off. Zone 4 - 56°N (Glasgow, Edinburgh, Aberdeen)
Q551.14.11	Astro 3-pin, 20A mechanical time switch with battery reserve. 2 on/off. Zone 1 - 50°N (Plymouth, Southampton, Brighton)
Q551.14.12	Astro 3-pin, 20A mechanical time switch with battery reserve. 2 on/off. Zone 2 - 52°N (London, Bristol, Birmingham, Leicester)
Q551.14.13	Astro 3-pin, 20A mechanical time switch with battery reserve. 2 on/off. Zone 3 - 54°N (Manchester, Sheffield, Newcastle, Belfast)
Q551.14.14	Astro 3-pin, 20A mechanical time switch with battery reserve. 2 on/off. Zone 4 - 56°N (Glasgow, Edinburgh, Aberdeen)
Q553.13.11	Astro 4-pin, 20A mechanical time switch with battery reserve, optional early off. 1 on/off. Zone 1 - 50°N (Plymouth, Southampton, Brighton)
Q553.13.12	Astro 4-pin, 20A mechanical time switch with battery reserve, optional early off. 1 on/off. Zone 2 - 52°N (London, Bristol, Birmingham, Leicester)
Q553.13.13	Astro 4-pin, 20A mechanical time switch with battery reserve, optional early off. 1 on/off. Zone 3 - 54°N (Manchester, Sheffield, Newcastle, Belfast)
Q553.13.14	Astro 4-pin, 20A mechanical time switch with battery reserve, optional early off. 1 on/off. Zone 4 - 56°N (Glasgow, Edinburgh, Aberdeen)
Q553.14.11	Astro 4-pin, 20A mechanical time switch with battery reserve. 2 on/off. Zone 1 - 50°N (Plymouth, Southampton, Brighton)
Q553.14.12	Astro 4-pin, 20A mechanical time switch with battery reserve. 2 on/off. Zone 2 - 52°N (London, Bristol, Birmingham, Leicester)
Q553.14.13	Astro 4-pin, 20A mechanical time switch with battery reserve. 2 on/off. Zone 3 - 54°N (Manchester, Sheffield, Newcastle, Belfast)
Q553.14.14	Astro 4-pin, 20A mechanical time switch with battery reserve. 2 on/off. Zone 4 - 56°N (Glasgow, Edinburgh, Aberdeen)

Q554.2	Standard 3-pin, 20A mechanical time switch with battery reserve, day 'omit on' function, 2 on/off.
Q554.3	Standard 3-pin, 20A mechanical time switch with battery reserve, day 'omit on' function, 3 on/off.
Q555.2	Standard 4-pin, 20A mechanical time switch with battery reserve, day 'omit on' function, 2 on/off.
Q555.3	Standard 4-pin, 20A mechanical time switch with battery reserve, day 'omit on' function, 3 on/off.
Q557.2	Standard 4-pin, 20A mechanical time switch with battery reserve, day 'omit off' function, 2 on/off.
Q557.3	Standard 4-pin, 20A mechanical time switch with battery reserve, day 'omit off' function, 3 on/off.
Q559.2	Standard 4-pin, 20A mechanical time switch with battery reserve, day 'omit on' function, 2 on/off. Enables the setting of an early fixed off time on one selected day each week.
Q563.2	Standard 4-pin, SPDT changeover 10/20A mechanical time switch with battery reserve, day 'omit on' function on 20A circuit. 2 on/off.
Q563.3	Standard 4-pin, SPDT changeover 10/20A mechanical time switch with battery reserve, day 'omit on' function on 20A circuit. 3 on/off.
Q586.2	Standard 4-pin, 20A mechanical time switch with battery reserve, day 'omit on' function, 2 on/off. Enables the setting of an early fixed on time on one selected day each week.
S254.2	Standard 3-pin, 20A mechanical time switch, day 'omit on' function, 2 on/off.
S254.3	Standard 3-pin, 20A mechanical time switch, day 'omit on' function, 3 on/off.
S255.2	Standard 4-pin, 20A mechanical time switch, day 'omit on' function, 2 on/off.
S255.3	Standard 4-pin, 20A mechanical time switch, day 'omit on' function, 3 on/off.
11002	Standard analogue, 1 module, 24 hour timer. For DIN rail mounting. Volt free contact.
16621	Standard analogue 24 hour timer with battery reserve. Can be surface mounted or panel mounted. Volt free contact.
16622	Standard analogue 24 hour timer that can be surface mounted or panel mounted. Volt free contact.
16921	Standard analogue 7 day timer with battery reserve. Can be surface mounted or panel mounted. Volt free contact.
16922	Standard analogue 7 day timer that can be surface mounted or panel mounted. Volt free contact.
23871	Standard, 1 channel, 7 day timer. Can be panel or surface mounted. Works with key programming & EasyVue (key & hub optional extras). Volt free contact.
23872	Standard, 2 channel, 7 day timer. Can be panel or surface mounted. Works with key programming & EasyVue (key & hub optional extras). Volt free contacts.
25162	Standard, 1 channel, 2 module, yearly timer for DIN rail mounting. Works with key programming & EasyVue (key & hub optional extras). Volt free contact.
26404	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.
72101	Astro, 1 channel, 2 module, 7 day timer for DIN rail mounting. Works with EasyVue (hub optional extras). Volt free contact.
72102 NFC	Astro, 1 channel, 2 module, 24 hour timer for DIN rail mounting. Works with Android NFC phones to allow contactless app programming. Volt free contact.
72103 NFC	Astro, 1 channel, 2 module, 7 day timer for DIN rail mounting. Works with Android NFC phones to allow contactless app programming. Volt free contact.
72112	Standard, 1 channel, 2 module, 7 day timer for DIN rail mounting. Works with key programming & EasyVue (key & hub optional extras). Volt free contact.
72113 NFC	Standard, 1 channel, 2 module, 7 day timer for DIN rail mounting. Works with Android NFC phones to allow contactless app programming. Volt free contact.
72201	Astro, 2 channel, 2 module, 7 day timer for DIN rail mounting. Works with key programming & EasyVue (key & hub optional extras). Volt free contact.
72203 NFC	Astro, 2 channel, 2 module, 7 day timer for DIN rail mounting. Works with Android NFC phones to allow contactless app programming. Volt free contacts.
72212	Standard, 2 channel, 2 module, 7 day timer for DIN rail mounting. Works with key programming & EasyVue (key & hub optional extras). Volt free contacts.
72213 NFC	Standard, 2 channel, 2 module, 7 day timer for DIN rail mounting. Works with Android NFC phones to allow contactless app programming. Volt free contacts.

Full specifications and datasheets for all products can be downloaded at [www.sangamo.co.uk](http://www.sangamo.co.uk)

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