TIMEGUARD®

WiFi Controlled Fused Spur Time Switch

Model No. FSTWiFi –
WiFi Controlled Fused Spur

Model No. FSTWiFiTGV –
WiFi Controlled IP66 Fused Spur

1. General Information

These instructions should be read carefully, in full, before installation. Please note that all instructions are to be left with the customer after installation.

2. Safety

- Before installation or maintenance, ensure the mains supply to the time switch is switched off and the circuit supply fuses are removed or the circuit breaker turned off.

- It is recommended that a qualified electrician is consulted or used for the installation of this time switch and install in accordance with the current IEE wiring and Building Regulations.

- Check that the total load on the circuit including when this time switch is fitted does not exceed the rating of the circuit cable, fuse or circuit breaker.
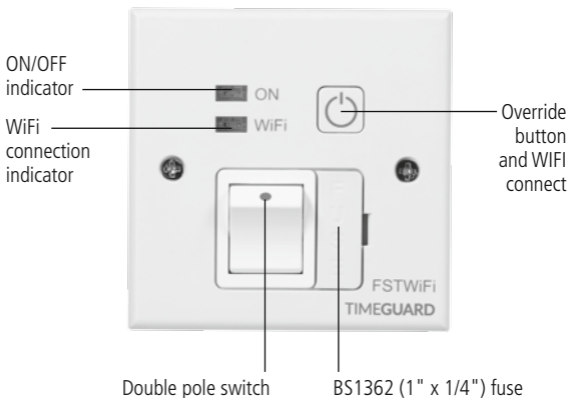
3. Technical Specifications

- 230V AC 50 Hz
- Fused: Supplied with BS1362 13A Fuse
- Rocker Switch: 2 Pole, providing isolation
- Switch Rating;   13A Resistive (3kW)
                               1000W Incandescent, Halogen lighting
                               500W Fluorescent, LED lighting
                               100W Compact Fluorescent lighting
- Contact Type: Normally Open, micro disconnection
- WiFi Specification: 2.4 GHz b/g/n
- Frequency Range: 2.412 – 2.484 GHz

- Power ON Light : Yes
- Output Light: Yes
- Operating Temperature: 0°C to +40°C
- IP Rating; FSTWiFi – Intended for indoor use only
  FSTWiFiTGV – IP66 rated suitable
  for restricted external applications
- Minimum Depth of Wall Box: 25mm
- CE Compliant
- Dimensions: H = 85mm, W = 85mm, D = 44mm

Note: Not suitable for use with Discharge Lighting.

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ON/OFF indicator

WiFi connection indicator

Override button and WIFI connect

FSTWiFi
TIMEGUARD

Double pole switch

BS1362 (1" x 1/4") fuse

4. Installation

FSTWiFi – WiFi Controlled Fused Spur

Note: The unit is designed to replace an existing single gang connection unit or fixed appliance outlet giving timed mains output, protected by a BS1362 fuse. The unit is capable of forming part of a ring main, (the terminals can accept 2x 2.5mm sq. cables) or terminating a spur off the ring main. The unit requires a minimum depth of 25mm within the box.
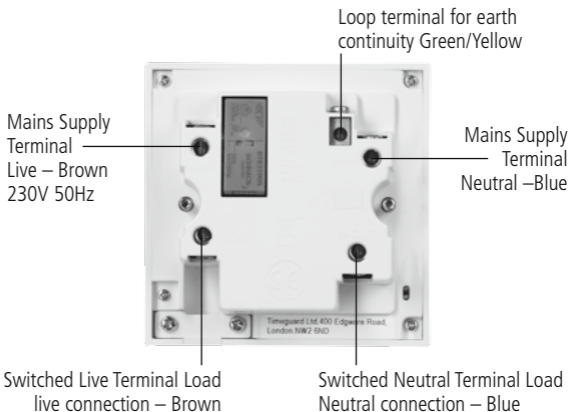
4.1   Ensure the mains supply is switched off and the circuit supply fuses are removed or the circuit breaker turned off.

4.2   Connect the incoming 230V 50Hz mains supply and outgoing load cables to the relevant terminals ensuring correct polarity is observed and that all bare conductors are sleeved (see section 5. Connection Diagram).

4.3   There is a removable cable blank to cover the front cable exit if this feature is not required.

4.4   If the front cable exit is required, for instance to connect to a washing machine, use one of the cable clamps provided to secure the outgoing cable.

4.5   Secure the unit to the back box with the M3.5mm screws provided, forming cables during installation to avoid entrapment, and cable damage.

FSTWiFiTGV – WiFi Controlled IP66 Fused Spur

• For the installation of the IP66 enclosure, please see instruction leaflet 67.058.332 included with the product.
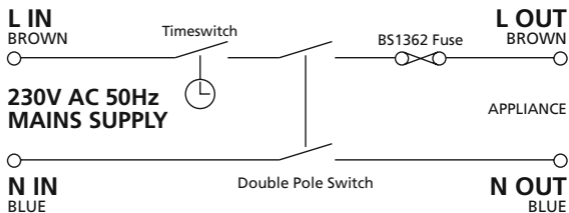
5. Connection Diagram

• The terminals are marked as follows on the rear of the time switch;

Loop terminal for earth continuity Green/Yellow

Mains Supply Terminal Live – Brown 230V 50Hz

Mains Supply Terminal Neutral –Blue

Switched Live Terminal Load live connection – Brown

Switched Neutral Terminal Load Neutral connection – Blue

Internal Schematic

L IN
BROWN

Timeswitch

BS1362 Fuse

L OUT
BROWN

230V AC 50Hz
MAINS SUPPLY

APPLIANCE

N IN
BLUE

Double Pole Switch

N OUT
BLUE

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6. Setup

6.1 Ensure your phone or tablet is connected to your local WiFi network.

6.2 Download the Timeguard Supplymaster App onto your phone or tablet by searching for Timeguard on Google Play store or the Apple App store.

6.3 Install the App, and open it to the registration page.

6.4 Users must first register, and then log in to use App. First time users must use the main account log in.
Note: User names cannot contain any spaces, and must use letters and numbers only.

6.5 Then, in Advanced Settings ⚙️, Config Devices, choose the WiFi network (it should be the same as your phone is connected to), and enter the password for that network.
Important: Do not press connect as of yet.

6.6 On the FSTWiFi, hold down the override button, until the blue LED light starts to flash. Once the light is flashing, press connect in the App, and the FSTWiFi will be connected to the WiFi, and the blue light will go to constantly ON.

6.7 In Advanced Settings, press Add Device, and enter a name for the FSTWiFi, and then the ID WIFI from the product label. The App will then show a list of the devices registered to that user, including that just registered.
Note: If the device is to be sold, it must be deleted from the App by the Main account holder. The device can only be registered to one account at a time.

7. Features of the FSTWiFi Fused Spur

Battery

- The FSTWiFi Fused Spur unit has an inbuilt non-replaceable, rechargeable battery, which will keep the programmed times during power down situations for up to 4 weeks.
- In the event of power down for longer than this, the programmes will be restored once WiFi connection is restored.

Micro Disconnection

- The unit offers micro disconnection of the load using the programmed times, or full isolation using the double pole rocker switch on the front of the unit.
- Micro disconnection can also be applied using the override switch on the front of the unit. Fused protection is also provided.

Manual Override

- The override button on the front of the unit provides a permanent OFF, or ON, until the button is pressed again. It is not overridden by the next program from the App.
- During the overridden period, the App will show permanent ON, or permanent OFF. The override can be cancelled in the App by putting the mode back to Auto Timed.

Light Indicators

- Red ON/OFF indicator. The red light will turn ON when there is output, and will turn OFF when there is no output. The red light will flash if there is output, but there is no output load detected.
- Blue WiFi connection indicator. This will illuminate when connected the device is connected to WiFi, as detailed in section 6. Setup.
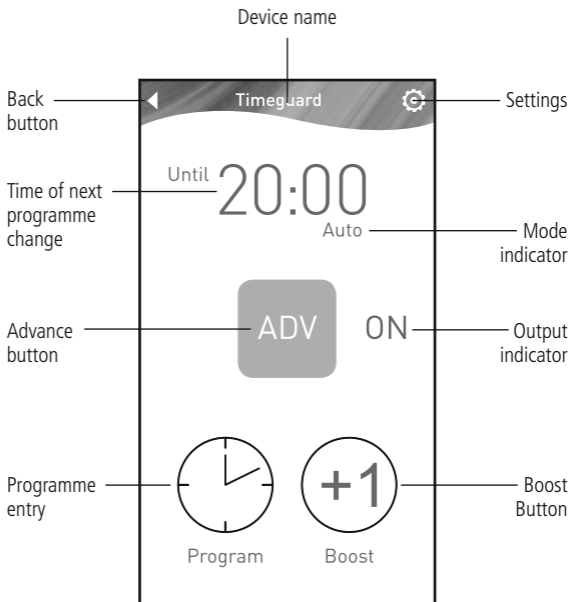
8. Features of the Android and IOS App

General

- The App can be accessed, and the device controlled from any accessible WiFi zone. Once WiFi is set up on the device, the App can also control the FST through 4G. The FST must be connected to a WiFi network.
- The Timeguard Supplymaster App can be downloaded by searching for Timeguard on Google Play store or the Apple App store.
- An FSTWiFi can be used to provide convenient, easy programming, from your phone or tablet. Program changes can be made at any time, from any location, which will enable the user to save money by cancelling programmed times during periods of unexpected absence.
- There are Android and Apple versions of the App available.
- There are useful programming tips and help available on the Timeguard YouTube channel. You can access the link directly from our website www.Timeguard.com or go to the YouTube home page and search 'Timeguard'.

Device Home Screen

• From log in, the user is presented with a list of devices.
  Each of these has a device home screen.
  When a device is selected, the home screen is then shown.

Device name

Back button

Settings

Time of next programme change

Mode indicator

Advance button

Output indicator

Programme entry

Boost Button

Until 20:00

Auto

ADV ON

Program Boost +1

Timeguard

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Operating Modes

- The following options are available in Settings ⚙:

  Auto: Controlled by the timer programme, and can be temporarily overridden by Boost or Advance.

  Permanent OFF: Output is off until auto is re enabled by the user. In this mode, boost and advance are disabled.

  Permanent ON: Output is on until auto is re enabled by the user. In this mode, boost and advance are disabled.

  Holiday: Output is off until the date entered by the user, at which time ON/OFF times will default back to the entered program.

- Only one mode can be selected at any time. Permanent OFF, ON, and holiday can be cancelled by returning the App to Auto mode.

$$+1$$

Boost

- From OFF, a one or two hour boost can be set using the boost button. A third press of boost will cancel.
- The duration of the boost is shown on the device home screen, and this will count down the time to the end of the boost period.
- From ON, a one or two hour boost time is added to the programmed end time. This is shown on the device home screen.

  Note: Boost will not cross midnight.

ON

Advance

- Advance changes the output state until the next programmed change.

  Note: The display will show the next program change:

  Until **05:00**

- The time of the next programmed change is shown on the device home screen. It also shows the boost time in boost mode (see above).

Program Entry

- The app supports multiple programmed times, with an easy repeat function for different days. Up to 6 times can be added if required (using the plus key), or deleted.

- Time entry is programmed via the program key on the device home page. Hold the chosen time down to edit the times, hold the day MTWTFSaSu to change repeats, or hold the left side of time box to delete.

- The default times are 06:00 to 08:00, and 18:00 to 20:00 every day.

- Times can be programmed across midnight. Enter a start and end time before midnight. Enter a second set of times after midnight. Turn off the first end time, and the second start time using the green sliders. Set the repeats.

Alternative Program Periods

- The App supports multiple alternative programs. This is useful for keeping separate sets of programs, for use in school holidays, periods of non-residency, pre and post summer time, seasonal programs, and periods of unexpected residency such as illness. This means that the original time programs can be saved, and reverted back to when needed, without the need for re-programming.

- Hold the program name to edit or delete, and use the plus key to add new programs.

12/24 Hour Clock

- Times can be shown in either 12 or 24 hour style, in Advanced Settings.

Clear ON/OFF Status

- The device home screen clearly shows output status through both text (ON/OFF), and colour change of advance button (Red OFF, Green ON).Settings.

Supports Multiple Users

- Additional users can be added by the Main Account holder, in Advanced Settings, to allow sub account users to control the FST device. This is useful for student accommodation, families, rented properties and similar.

- Users can be both added and deleted by the Main account holder only. All other features of the App are the same. Users are deleted by swiping their name to the left, in Edit/remove user. Users can be edited in the same way, which enables User names, passwords, and email addresses to be updated.

- The user has to log in as a Main account or a Sub account. There can only be one main account.

Supports Multiple Devices

• Additional FST devices can be added if required, and controlled in the same App. Common programming of separate devices is not possible, each must be programmed individually. Devices can be deleted if no longer required, using Remove Device in Advanced Settings, choose device to be removed, and swipe left.

App Download

• This shows the version number of the App, and will notify if an update is available.

User Manual

• This is a link to the Timeguard web page version of these instructions. There is also a link to a YouTube site, where there are videos of the App functions.

Privacy Statement

• There is a link to the Timeguard privacy statement in Advanced settings. This details what data will be stored by Timeguard, and how it will be used.

• The privacy statement is available at;

http://www.timeguard.com/privacy-policy

About

• This gives the contact details of Timeguard Ltd.

Positive Affirmation of ON/OFF Status

• With output status not enabled (default), the advance button shows red OFF, green ON.

• Output status will not work unless there is more than a 50W load present. There will still be an output, but this will not show on the device home screen. At loads below 50W, the advance button will remain red, but show the word ON to show that it is a programmed ON period, but the device cannot detect a load.

• Output status shows that the device is working, and will only show a change of state if there has definitely been a change of output state (above 50W).

• With output status enabled, the advance button will show what is happening with the output. There is an icon $\bigcirc$ on the home screen which shows that this feature has been enabled.

• If there is no load detected during an on period, the advance button will show red, ON. This is a fault condition, as the output is not detected.

• Once the output has been detected, the advance button shows green, ON.

• If there has been a load measured at some point in the ON period, but the output can no longer be detected, the indicator will show orange (stand by), until the load is detected again, when it will show green. This is common when the output has a secondary control, such as a thermostat.

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Graphical Representation of the Last 24 Hours

- With output status enabled, there is a graphical representation that compares programmed on times with actual output. This can be used to check that the FST (and the connected appliance) has been working correctly.
- For appliances with additional controls (for instance thermostats), the output load is not consistently on during the programmed on period. The graphical representation will show this difference. Pink bars represent when there was an output, grey represents the programmed times.

Historical Summary

- There is a brief summary of the last ON period, showing the duration of the period, and the length of time there was an output.

Time Zones

- The unit will come pre-set to UK time. The time zone can be re-set to a different time zone if required in Settings, Advanced Settings, Delete device, swipe left, Edit, set time zone.

5 Year Guarantee

In the unlikely event of this product becoming faulty due to defective material or manufacture, within 5 years of the date of purchase, please return it to your supplier in the first year with proof of purchase and it will be replaced free of charge. For years 2 to 5 or any difficulty in the first year, telephone our helpline.

Note: a proof of purchase is required in all cases. For all eligible replacements (where agreed by Timeguard) the customer is responsible for all shipping/postage charges outside of the UK. All shipping costs are to be paid in advance before a replacement is sent.

If you experience problems, do not
immediately return the unit to the store.
Telephone the Timeguard Customer Helpline;

HELPLINE
020 8450 0515

or email
helpline@timeguard.com

Qualified Customer Support Co-ordinators
will be on-line to assist in resolving
your query.

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For a product brochure please contact:

Timeguard Limited.
Victory Park, 400 Edgware Road,
London NW2 6ND
Sales Office: 020 8452 1112
or email csc@timeguard.com

www.timeguard.com

67.058.560 (Issue 1)