

- SupplyMaster FST11 (24 hour) or FST17 (7 day)
- 3.5mm screws 50mm long
- 3.5mm screws 65mm long
- Flying lead adaptor plate

and the internal circuit in fig 3.

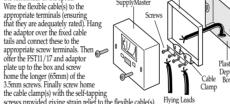
- Earth continuity connector
- No. 4 self-tapping screws 12mm long

The FST11 (24 hour) or FST17 (7 day) is a unit which mounts on a BS4662 plaster depth single box or alternatively on a BS5733 surface mount single box. It can be modified, if required, to have a flying lead output in which case the adaptor plate is fitted between the SupplyMaster unit and the plaster depth

box using the longer screws supplied. The unit combines the facilities of a double pole switched and fused connection unit capable of being wired directly into a ring main and a timeswitch. A normal switched output is available as well as the timeswitch output. The front and back of the unit is shown in figs 1 and 2

The unit is designed to replace an existing single gang connection unit or fixed appliance outlet giving both switched mains and switched and timed mains outputs both protected by a B\$1362 fuse. The unit is capable of forming part of a ring main (the terminals can accept 2 x 2.5mm² cables) or terminating a spur off a ring main. The unit requires a minimum of 25mm depth within the box to enable it to be fitted. Ensure that the wiring is adequate for the load to be carried. Cut the cable tails to length and strip sleeving and insulation as required, tighten the screw terminals on the cables and form the cables. Offer the unit up to the mounting box forming the cables as required finally tightening up the shorter (50mm) 3.5mm screws.

If you require a flying lead for controlling a washing machine or two for controlling a combination boiler then use the flying lead adaptor plate between the mounting base and the FST11/17. Two cable clamps and one blanking piece (if only one cable is required) are provided on the plastic sprue within the adaptor plate. ak off the required parts and discard the remainder of the sprue. SupplyMaster Wire the flexible cable(s) to the



the cable clamp(s) with the self-tapping screws provided giving strain relief to the flexible cable(s). If only one cable is used ensure that the unit is made safe by securing the blanking piece over the second outlet.

FST11/17 itself. A 13A fuse is supplied with the unit.

Use the appropriate BS1362 fuse for the load to protect the cabling to the load and the

0-00/1-0

Figure 3

The SupplyMaster can replace a normal light switch, provided a neutral is

In this instance the timed output can be used for charging and the continuous

output can be used in conjunction with a room temperature control to supply the

The SupplyMaster has six terminals primarily to provide a combined connection unit

and timeswitch for combination boilers. It provides a timed output for heating control

and a continuous output supplying the boiler system itself. In this instance terminals 2

and 3 can be used for connecting to a room thermostat or can be linked together. If the

boiler works with extra low voltage controls then terminals 1 and 2 offer true voltage

fan. A link is required between terminals 2 and 3.

instance a link is required between terminals 3 and 2.

Storage Heaters

made available and lighting of up to 2.5kw filament or 500w fluorescent

Other Appliances Energy consuming appliances such as immersion heaters and washing machines. dishwashers and tumble driers up to 13A total loading can be supplied by the FST11/1 enabling the users to make use of Economy Seven electricity without the use of a plug and socket arrangement and its associated risk of overheating damage at 13A. In this

FST 11 Programming Instructions

Change Button sets Hours and Programme Button used to select th Minute times and clock time and the 4 self cancelling override programme times and to review them OHNGE 18:53" / Easy view 24 Output Status 1 2 3 4 7

This product has a factory fitted rechargeable battery. If the time controller is left with its mains power switched off for more than 1 month the display may go blank. In this case switch mains on, wait 30 minutes, and apply reset - see 1 before programming.

Programming Only two setting buttons are provided <Change> and <Program>. The <Program> button is recessed to prevent inadvertent program change and requires a pen or other similar impliment to operate it. During the programme mode the <Change> button is used to set the hour and minute times. Holding this button down achieves rapid selection of the hr and minute times. It is also used for changing the output status during normal operation. The <Program> button is used to select the clock time and 4 ON/OFF programmes and to review them once set. Holding this button down achieves rapid selection of the next programmes or can be used as a

quick exit from programme mode or programme review.

Normal Overating Mode In normal operation the SupplyMaster will display the

correct time with the colon flashing. The output

1 2 3 4

status will be shown by either ON or OFF on the display.

1 To Reset Display

To clear programmes from memory and reset the time controller press and hold down both setting buttons until the display goes blank. Release buttons and display will fill with its complete range of characters and then clear to show clock and

hour symbol flashing. 1 2 3 4 You are now in the clock setting mode at the beginning of the programme sequence

Programming sequence

Setting clock . → Programme 3 ON Programme 1 ON Programme 3 OFF Programme 1 OFF Programme 4 ON Programme 2 ON Programme 4 OFF Operation Mode

Note: Button pauses greater than 1 minute during programming will result in automatic return to the operating mode.

2 Setting Clock (after reset)

ON/OFF

once se

either ON or OF

18:35 off

€0:00

Hour Setting - Press the < Change > button to advance the hour setting. Note: For rapid hour selections press and hold down <Change> button.

select the minutes - display shows clock symbol

and minute digits flashing. Press the < Change>

minute selection press and hold down < Change>

button. (Note: 16 hrs shown as example of hrs set)

iii Press < Program > button once - clock is now set and

3. To Set Programme ON/OFF Times

Press < Change> button to advance the hour setting.

ii Press < Program > button once to select minute time -

<Change> button to advance minute setting.

(Note: 16 hrs shown as example of hours set).

display shows minute digits and ON flashing. Press

with ON and Programme 1 flashing.

(after clock setting)

Programme 1 ON time

Minute Setting - Press the <Program> button once to

button to advance the minutes setting. Note: For rapid

display shows ready for the first ON programme time



516.00°

1 2 3 4

1 2 3 4

1500⁻⁰⁰

1 2 3 4

4. Programme Review

programme time

To fast review the set programmes or for quick exit to normal operating mode - press and hold the <Program> button.

IMPORTANT After setting a clock time which falls within a programmed

ON period, the unit will not switch ON. Use the override facility to switch

unit ON. After this the unit will operate normally to the programmes set.

shows normal operating mode. Do not programme '0's into unused

Press < Program > button once - the first ON time is

now set and display shows ready for the first OFF

Now set the hrs and minutes as before.

5. Initiating Programme Mode This can be initiated any time during the normal operating mode, Press <Program> button and the Clock symbol, hrs and minutes symbols on the display will flash - this is review mode. If any change to programmes is required press <Change> button to initiate programme mode and then follow

6. Cancelling Programmes Any ON/OFF programme can be cancelled by clearing its ON and OFF time. Follow step 5 and when into the ON and OFF programme to be cancelled press

the <Change> button until the hour digits show --: then press the <Program> button to clear set programme. The display will show the hour

and minute digits ON or OFF flashing.

1 2 3 4 Self Cancelling Override

To change the output status from ON to OFF or vice versa during normal operation press the <Change> button. The output status will change and indicate override is in operation by flashing.



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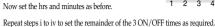


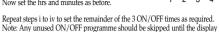












HELPLINE 020-8450-0515

FST 17 Programming Instructions

CHANGE 18:53" PROGRAM

1234567-

This product has a factory fitted rechargeable battery. If the time controller is left with

this case switch mains on, wait 30 mins, and apply reset - see 1 before programming.

its mains power switched off for more than 1 month the display may go blank. In

Only two setting buttons are provided <Change> and <Program>. During the

programme mode the <Change> button is used to set days and the hour and

minute times. Holding this button down achieves rapid selection of the day and

the hour and minute times. During normal operation it is used for changing the

ON/OFF programmes and to review them once set. Holding this button down

achieves rapid selection of the next programmes or can be used as a quick exit

To clear programmes from memory and reset the time controller press and hold

output status. The <Program> button is used to select the clock time and 6

and Minute times

override

Fasy view 24

clock/timer

Programming

from programme mode.

Normal Overating Mode

1 To Reset Display

In normal operation the SupplyMaster will display the

status will be shown by either ON or OFF on the display.

down both setting buttons until the display goes blank.

Release buttons and display will fill with its complete

range of characters and then clear to show clock and

You are now in the clock setting mode

at the beginning of the programme sequence

correct day and its time with the colon flashing. The output

and self cancelling



For a product brochure please contact:

Timeguard Ltd. Victory Park, 400 Edgware Road,

London NW2 6ND 020-8452-1112

or email csc@timeguard.com

Designed and manufactured in the U.K. 67-058-05 (1)

Programming seauence

Programme Button

used to select the

programme times

Output Status

showing un

Day indicato

either ON or OFF

18#35 off

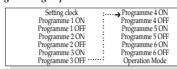
€0:00

1234567

and to review them

ON/OFF

clock time and the 6



Note: Button pauses greater than 1 minute during programming will result in automatic return to the operating mode.

Setting Clock (after reset)

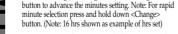
Day Setting - Press < Change > button to advance to the day required.

Day 1 = Monday and Day 7 = Sunday. Hour Setting - Press the <Program> button once to select the hour - display shows clock symbol and the hrs

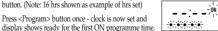
digit flashing

Press the <Change> button to advance the hour setting. Note: For rapid hour selections press

and hold down < Change> button. Minute Setting - Press the < Program> button once to select the minutes - display shows with clock symbol and minute digits flashing. Press the < Change>



Press < Program > button once - clock is now set and



£000

1234567

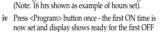
1234567 3. To Set Programme ON/OFF Times (after clock setting)

Programme 1 ON time Press <Change> button to advance the day flag to the required day(s) settings

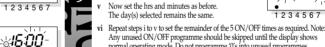
1 2 3 4 5 6 7 • • • • • = 5 days (Weekdays) Mo Tu We Th Fr = 2 days (Weekend) Sa Su • • • • • • = 7 days (Everyday) Mo Tu We Th Fr Sa Su = Individual days Starting with Monday through to Sunday

Once day option selected press < Program> button once to select hour time - display shows hour digits and ON flashing. Press <Change> button to advance hour setting. (Note: Monday shown as an example of days set).

Press < Program > button once to select minute time display shows minute digits and ON flashing. Press <Change> button to advance minute setting.



programme time. Now set the hrs and minutes as before



normal operating mode. Do not programme '0's into unused programmes. IMPORTANT After setting a clock time which falls within a programmed

ON period, the unit will not switch ON. Use the override facility to switch

unit ON. After this the unit will operate normally to the programmes set.

4. Programme Review

To fast review the set programmes or for quick exit to normal operating mode

- press and hold the < Program > button.

5. Initiating Programme Mode This can be initiated any time during the normal operating mode. Press <Program> button and the Clock symbol, day flag, hrs and minutes symbols on the display will flash - this is review mode. If any change to programmes is required press <Change> button to initiate programme mode and then follow

6. Cancelling Programmes

Any ON/OFF programme can be cancelled by clearing its ON and OFF time. Follow step 5 and when into the ON and OFF programme to be cancelled press the <Change> button until the hour digits show --: \ | /\ | Z_N'_ then press the <Program> button to clear set programme. The hour and minute digits should 7.5-17.

1234567

display with ON or OFF also flashing (Note: Monday shown as an example of days set).

Self Cancelling Override

To change the output status from ON to OFF or vice versa during normal operation press the <Change> button. The output status will change and indicate override is in operation by flashing.

1234567

1234567

Z1 \.

16 00 in

Specifications

Conforms to directives 73/23/EEC, 89/336/EEC Complies with the applicable standards for EMC EN50081-1 for emission and

EN50082-1 for immunity.

Permissible Loads: 13A Resistive

At 0.4 power factor inductive

10A Filament lamps 500W Fluorescent lighting with or without power

factor correction capacitors (4uF per 65W tube).

For other loads refer to Technical Service on 020 8450 0515.

In applications such as use of Economy Seven electricity the full load will not usually be switched. In the cases of a washing machine and a dish washer the load switched on to will be water valves only and the load turned off will be

220 - 240V AC

negligible providing an appropriate time interval has been left to enable the machine to complete its programme.

Fuse protection BS1362 as dictated by load

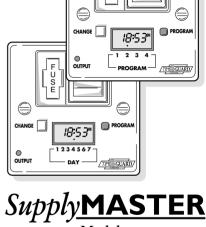
Switched output and switched timed output available to 13A resistive total

load capability. If in doubt refer to Technical Service on 020 8450 0515.

1000 hrs battery back up in case of supply loss or FST11/17 fuse blow.

Operating ambient temperature: -10°C to 40°C

Operating voltage:



0 3

Models: **FST11 (24 hour)**



TIME GUARD