TIMEGUARD®

Timer Modules

EL11 – 24 Hour Module
EL17 – 7 Day Module

1. General Information

These instructions should be read carefully
and retained for further reference and maintenance.

2. Safety

- Before installation or maintenance, ensure the
  mains supply to the timer module is switched off.
- It is recommended that a qualified electrician is
  consulted or used for the installation of this timer
  module and install in accordance with the current
  IEE wiring and Building Regulations.
- Check that the total load on the circuit before
  attempting to use the time module for your
  OEM application.

3. Technical Specifications
General

- Operating Voltage: 230V AC 50Hz

- Power Reserve: Non replaceable
  rechargeable factory fitted
  battery, 1000 hours

- Switch Rating: 16A Resistive
  10A Filament lamps
  500W Fluorescent
  lighting with or without
  power factor correction
  capacitors
  (4μF per 65W tube)
  50W LED

  The LED switching capabilities of this product
  can be increased to 200W by the addition of
  the Timeguard ZV900 Automatic switch load
  controller – sold separately

- Panel Cut Out: 67mm square with
  2.5mm radius corners

- Contacts: Single pole changeover
  normally open and
  normally closed contacts.
  (Silver Cadmium Oxide)

- Manual Override: ON/OFF until next
  programme

- Operating Temperature: -10°C to +40° C

- CE Compliant

EL11 (24 Hour Module)
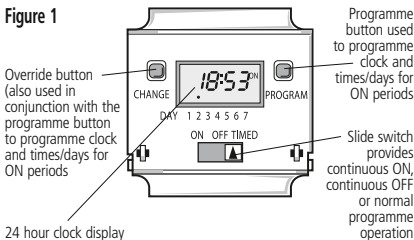• 24 Hour Time Period – 4 ON/OFF programmes

EL17 (7 Day Module)
• 7 Day Time Period – 6 ON/OFF programmes, daily, weekly, weekend or weekday options

4. Contents (EL11 & EL17)
• 1x EL11 or EL17 Timer module
• 1x Panel mount bezel
• 1x Tamper proof cover
• 4x Surface mount stand offs (length 10mm)
• 2x Panel mount bolts
• 2x Self-tapping screws (No.4 x 5/8in)
  for panel mount bolts
• 2x Self-tapping screws (No.6 x 3/8in)
  for attaching bezel to EMU11

Figure 1

Override button (also used in conjunction with the programme button to programme clock and times/days for ON periods)

24 hour clock display

Programme button used to programme clock and times/days for ON periods

Slide switch provides continuous ON, continuous OFF or normal programme operation

5. Installation (EL11 & EL17)
Panel Mounting

4

- For panel mounting (in panels up to 7.0mm thick with the cut-out as shown in figure 3) the EL11/17 should be snapped into the bezel supplied and secured in place by the use of the 2 No. 6 x 3/8 in self-tapping screws provided (as shown in figure 4).

- When selecting a position for the unit, bear in mind that a clearance behind the front panel surface of 26.0mm is required over the full area of the panel cut-out.

- The unit is designed to be mounted from the front of the panel by the following procedure;

5.1 Insert the 2x bolts provided in the locations as shown in figure 5.

5.2 Then insert the 2x No.4 x 5/8 in self-tapping screws into the bolts and engage thread.

5.3 Make connections to the unit by wires terminated in 1/4 inch receptacles from behind the panel. Ensure that the wiring is adequate for the load to be carried.

5.4 Insert the EL11/17 complete with bezel into the panel and tighten up the 2x No.4 self-tapping screws. The ears on the bolts will rotate as you tighten to clamp the unit to the panel.
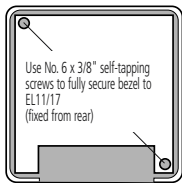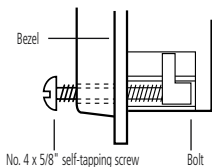
5

67mm

67mm

R 3.5mm

Figure 2

Use No. 6 x 3/8" self-tapping screws to fully secure bezel to EL11/17 (fixed from rear)

Figure 3

Figure 4

Bezel

No. 4 x 5/8" self-tapping screw   Bolt
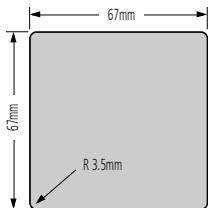
Surface Mounting

- The EL11/17 without bezel can be surface mounted using the 4 securing holes as shown in figure 6.
- The unit can be stood off from the mounting surface by 10mm using the 4 spacers if required.
- Screws are not provided and it must be remembered that if used in this way the EL11/17 must be installed within a housing or cubicle to prevent access to the mains terminations.
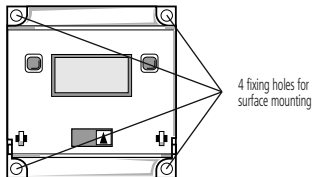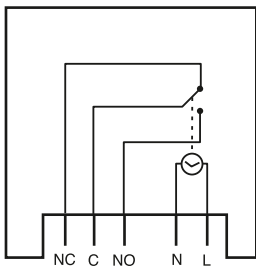
4 fixing holes for surface mounting

Figure 5

6. Wiring Diagram

Figure 6

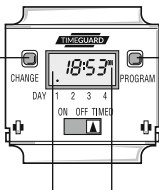|	
NC	Normally Closed Contact
C	COM (Volt Free Input)
NO	Normally Open Contact
N	Neutral Input (Blue)
L	Live Input (Brown)
To be used with 230V AC 50Hz	

7. Programming Instructions
24 Hour Model

Change Button sets Hours and Minute times and self cancelling override

Programme Button used to select the clock time and the 4 ON/OFF programme times and to review them once set

Easy view 24 hour digital clock/timer display

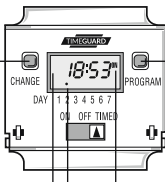**Output Status** showing unit either ON or OFF

7 Day Model

Change Button sets Hours and Minute times and self cancelling override

Programme Button used to select the clock time and the 6 ON/OFF programme times and to review them once set

Easy view 24 hour digital clock/timer display

Day indicator
1 = Monday
7 = Sunday

**Output Status** showing unit either ON or OFF

7.1 Programming Overview

To enter the programming mode, press and hold the 'Program' button for 2 to 3 seconds and then release the button. Only two setting buttons are required during the programming process. The 'Change' button is used to set the hours and minutes, the 'Program' button is used to move to the next stage of the programming process. Each time the 'Program' button is pressed the display will flash either the hours or the minutes in turn, starting with the clock then the first ON time, first OFF time, second ON time and so on.
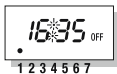
Note: Button pauses greater than 1 minute during programming will result in an automatic return to operating mode.

7.2 Normal Operating Mode

In normal operation the unit will display the correct time with the colon flashing. The output status will be shown by either ON or OFF on the display.
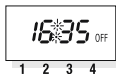
**24 Hour Version**

7 Day Version

7.3 Setting Clock & Programming After Reset

- To clear the memory and reset the unit press hold down the 'Change' and 'Program' button until the display goes blank.

- Release both of the buttons. After a few seconds the display will show the clock with the hour digit blinking.

- For the 7 day version there will be a dot flashing over number 1 which is Monday and 7 being Sunday. Press the 'Change' button to select your current day. Once this is complete press the 'Program' button to move to setting the clock.
  You are now in the clock setting mode at the beginning of the programme sequence

- To set the hour for the clock press the 'Change' button to advance the hour setting. For a rapid change of the hour setting hold down the 'Change' button and release when the correct hour value is selected.

- Press the 'Program' button once and the minutes will flash, press the 'Change' button to advance the minutes setting to the correct value required. Again you may hold down the 'Change' button for a rapid change of the minutes if you wish to do so.

- Press the 'Program' button once, the clock is now set and you are ready to enter the first ON time. You will now find the hour digits flashing if you own the 24 hour models and if you own the 7 day models you will see the first five dots flashing which represents Monday to Friday.
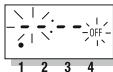
7.4 Programme 1 ON time (EL17) (For EL11 follow from the next bullet point, programmes will run on a daily basis)

Press the 'Change' button to select the appropriate group you require your programme to run for; you can also set individual days.

```
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
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- Press the 'Change' button to select the hour you require for the programme.
- Press the 'Program' button to confirm the hour and advance to the minute setting.

- Press the 'Change' button to select the minutes you require for the programme.
- Press the 'Program' button to confirm the minutes for the ON time and move on to setting programme 2 ON.
- Repeat the steps from section 7.4 'Programme 1 ON time' for additional programmes if required. Note: The 24 hour models have 4 programme memory slots, and the 7 day models have 6 programme memory slots.
- If you wish to exit the program mode at anytime, press and hold the 'Program' button until you are back at the current time.
- IMPORTANT: Once programming has been completed, the unit will show an OFF status by default. If you require power output now, press the 'CHANGE' button once. This will override the unit until the next programmed OFF time. If you do not do this, the unit will simply turn ON at the next scheduled ON time (even if this is the following day).

7.5 Program Review

When in operating mode press the 'Program' button for 3 seconds and the clock symbol, hours and minute's symbol on the display will flash, this is

review mode. If any changes are required to the current set programmes press the 'Change' button to start programming mode and then follow steps from 'Programme 1 ON time'.

7.6 Cancelling Programmes

To clear all programmes, press and hold down the 'Change' and 'Program' buttons until the display goes blank. Release both buttons and after a few seconds you will be prompted to set the clock. Once set you can re-enter your programme times.

7.7 Clearing Programmes

Any individual programme can be cancelled by clearing its ON and OFF time. Follow the steps as mentioned in section 7.5 'Program Review' until you reach the program you wish to cancel. Press the 'Change' button until the hour digits show --: and press the program button to clear the programme.

7.8 Self-Cancelling Override

To change the output status from ON to OFF or vice versa during normal operation press the 'Change' button. If the output status is OFF, it will change to ON until the next programmed OFF time. If the output is ON, it will change to OFF until the next programmed ON time.

8. Battery

The modules are supplied with factory fitted with a non-replaceable, re-rechargeable, Metal Hydride battery back-up with 1000 hours reserve.
Note: To preserve battery life, it is not recommended that these modules remain disconnected from a charging source for a period of more than six months.

5 Year Guarantee

n 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. From the second year onwards, or if you have any difficulty in the first year telephone the helpline on 02084500515.

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 out.

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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