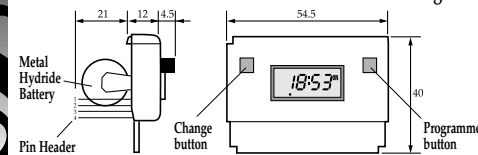




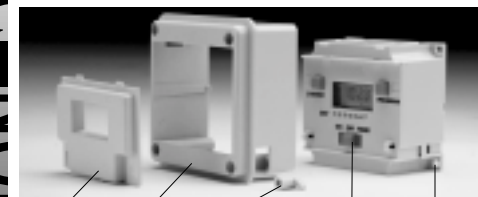
## 1. Physical Arrangements & Installation Instructions

### MEU 11 & MEU 17



Engineering drawing can be supplied on request

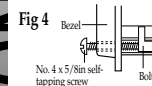
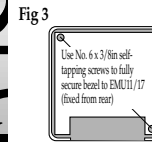
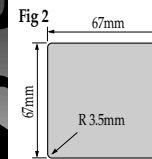
### EMU 11 & EMU 17



Tamper proof cover  
Bezel for panel mounting  
Panel mount bolts  
Slide switch allowing continuous ON or OFF or programmed operation  
Surface mount fixing

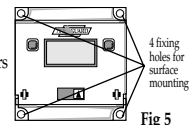
### Contents

- 1 EMU11 (24 hour) or EMU17 (7 day)
- 1 Panel mount bezel
- 1 Tamper proof cover
- 4 Surface mount stand offs (length 10mm)
- 2 Panel mount bolts
- 2 Self-tapping screws (No. 4 x 5/8 in) for panel mount bolts
- 2 Self-tapping screws (No. 6 x 3/8 in) for attaching bezel to EMU11/17



### Surface Mounting

The EMU11/17 without bezel can be surface mounted using the 4 securing holes as shown in figure 5. 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 EMU11/17 must be installed within a housing or cubicle to prevent access to the mains terminations.



## Installation - Panel Mounting

For panel mounting (in panels up to 7.0mm thick with the cut-out as shown in figure 2) the EMU11/17 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 3.

When selecting a position for the unit it should be born 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:

- a. Insert the 2 bolts provided in the locations shown in figure 4.
- b. Then insert the 2 No. 4 x 5/8 in self-tapping screws into the bolts and engage thread.
- c. Make connections to the unit by wires terminated in a Molex 4 way 7720 or similar connector from behind the panel.
- d. Insert the EMU11/17 complete with bezel into the panel and tighten up the 2 No. 4 self-tapping screws. The ears on the bolts will rotate under the tightening action to clamp the unit to the panel.

## 2. Specifications

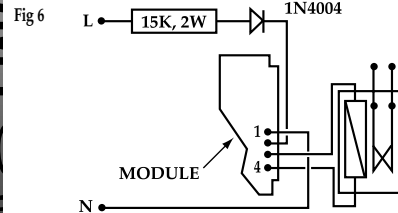
### MEU11 & EMU11

- 4 ON/OFF programmes
- Easy 2 button programming
- Change/Override until next programme
- Rechargeable Metal Hydride battery back-up with 1000 hours reserve
- Requires only an external diode, resistor and relay to switch mains
- Temperature range 0° to 55°C

### Operation

The programme button advances programme steps and the change button the hours and minutes which flash. Time of day is set first and is updated during the programming period. Programmes 1 to 4 follow. If, during programming, no button is pressed over a period of one minute then the display will revert to normal operation. In normal operation, pressing the change button changes the output until the next programme step.

### Single Resistor PSU (MEU11 & MEU17 only)



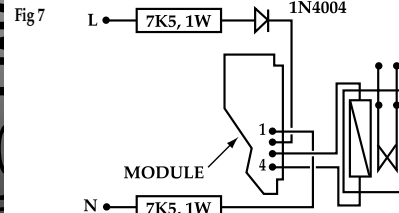
### MEU17 & EMU17

- 6 ON/OFF programmes, daily, weekly, weekend or weekday options
- Easy 2 button programming
- Change/Override until next programme
- Rechargeable Metal Hydride battery back-up with 1000 hours reserve
- Requires only an external resistor, diode and relay to switch mains
- Temperature range 0° to 55°C

### Operation

The programme button advances programme steps and the change button then updates the item selected. Day/days of week is first to be programmed followed by hours and minutes. The 6 ON/OFF programmes then follow, each in the sequence day/days, hours and minutes. If, during programming, no button is pressed over a period of one minute then the display will revert to normal operation. In normal operation, pressing the change button changes the output until the next programme step.

### Two Resistor PSU - gives Optimum EMC Performance (MEU11 & MEU17 only)



### All Types

#### Connections

- Pin 1: Common.
- Pin 2: Positive battery charge plus relay current. Min 0.50 mA (No relay).
- Pin 3: Relay connection.
- Pin 4: Output & relay connection. NPN open connector. Max 10 mA, 47 V A Molex 7720 4 way connector or similar is recommended.

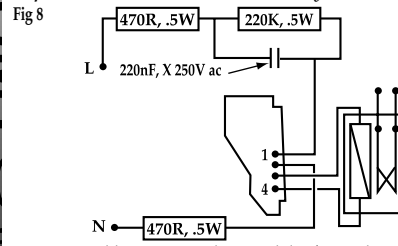
#### MEU11 and MEU17 - Typical Usage

The examples in figs 6, 7 and 8 show the module driving a Shrack 48V relay with power derived from the mains. Type RP330048 or RP331048 (Changeover contracts). In these configurations the relay pulls in at 47V and is held at above 24V with mains voltages down to 200V.

#### EMU11 and EMU17 - Typical Usage

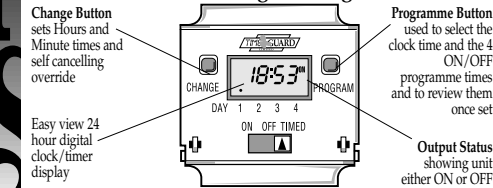
In this case the circuit in fig 6 can be used with a 10K, 3W resistor in place of the 15K, 2W resistor shown and a 1.3W zener must be connected between pins 1 and 2 of the module. The circuit in fig 7 can be used with two 5K1, 1.5W resistors in place of the 7K5, 1W resistors shown and a 1.3W zener must be connected between pins 1 and 2 of the module. The circuit in fig 8 can be used with a 330nF, X 250V ac capacitor instead of the 220nF capacitor shown and a 1.3W zener must be connected between pins 1 and 2 of the module. In all cases the zener is 47V and its cathode is connected to module pin 2.

### Capacitor PSU (MEU11 & MEU17 only)



It is possible to operate these modules from other voltages. Please contact Technical Service on 020 8450 0515 for advice.

## 3. EMU11 & MEU11 Programming Instructions



### Battery

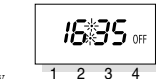
This product has a factory fitted rechargeable battery. If the time controller is left with its mains power switched off for more than 1 month the display may go blank. In this case switch mains on, wait 30 minutes, and apply reset - see 1 before programming.

### Programming

Only two setting buttons are required, Change and Program. In normal use the Change button is used to switch ON or OFF, overriding the timeswitch until the next programmed OFF or ON time. During programming the Change button is used to set the hours and minutes. The Program button is only used when setting or adjusting the clock time or the 4 programmed ON/OFF times, although it can also be used to review the ON/OFF times once they have been set. Each time the Program button is pressed the display will flash either the hours or minutes in turn, starting with the clock then the first ON time, first OFF time, second ON time etc. Wherever the hours or minutes are flashing they may be set using the Change button. Once set the Program button is pressed again to proceed to the next stage.

### Normal Operating Mode

In normal operation the PanelMaster will display the correct time with the colon flashing. The output 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 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 digit flashing.



You are now in the clock setting mode at the beginning of the programme sequence

HELPLINE  
020-8450-8944

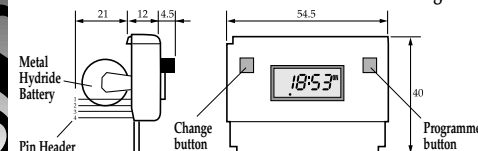


For a product brochure please contact:  
**Timeguard Ltd.**  
Victory Park, 400 Edgware Road,  
London NW2 6ND  
Tel: 020 8452 1112  
or email [csc@timeguard.com](mailto:csc@timeguard.com)

Designed and manufactured in the U.K. 67-057-97 (2)

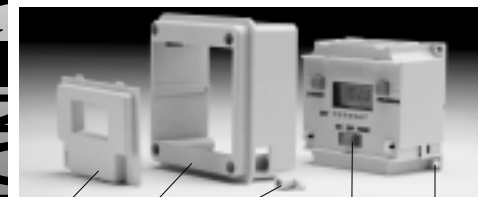
## 1. Physical Arrangements & Installation Instructions

### MEU 11 & MEU 17



Engineering drawing can be supplied on request

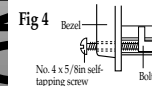
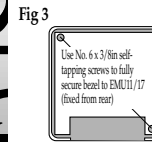
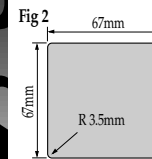
### EMU 11 & EMU 17



Tamper proof cover  
Bezel for panel mounting  
Panel mount bolts  
Slide switch allowing continuous ON or OFF or programmed operation  
Surface mount fixing

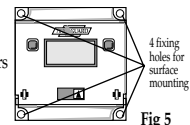
### Contents

- 1 EMU11 (24 hour) or EMU17 (7 day)
- 1 Panel mount bezel
- 1 Tamper proof cover
- 4 Surface mount stand offs (length 10mm)
- 2 Panel mount bolts
- 2 Self-tapping screws (No. 4 x 5/8 in) for panel mount bolts
- 2 Self-tapping screws (No. 6 x 3/8 in) for attaching bezel to EMU11/17



### Surface Mounting

The EMU11/17 without bezel can be surface mounted using the 4 securing holes as shown in figure 5. 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 EMU11/17 must be installed within a housing or cubicle to prevent access to the mains terminations.



## Installation - Panel Mounting

For panel mounting (in panels up to 7.0mm thick with the cut-out as shown in figure 2) the EMU11/17 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 3.

When selecting a position for the unit it should be born 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:

- a. Insert the 2 bolts provided in the locations shown in figure 4.
- b. Then insert the 2 No. 4 x 5/8 in self-tapping screws into the bolts and engage thread.
- c. Make connections to the unit by wires terminated in a Molex 4 way 7720 or similar connector from behind the panel.
- d. Insert the EMU11/17 complete with bezel into the panel and tighten up the 2 No. 4 self-tapping screws. The ears on the bolts will rotate under the tightening action to clamp the unit to the panel.

## 2. Specifications

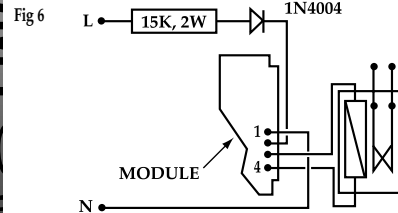
### MEU11 & EMU11

- 4 ON/OFF programmes
- Easy 2 button programming
- Change/Override until next programme
- Rechargeable Metal Hydride battery back-up with 1000 hours reserve
- Requires only an external diode, resistor and relay to switch mains
- Temperature range 0° to 55°C

### Operation

The programme button advances programme steps and the change button the hours and minutes which flash. Time of day is set first and is updated during the programming period. Programmes 1 to 4 follow. If, during programming, no button is pressed over a period of one minute then the display will revert to normal operation. In normal operation, pressing the change button changes the output until the next programme step.

### Single Resistor PSU (MEU11 & MEU17 only)



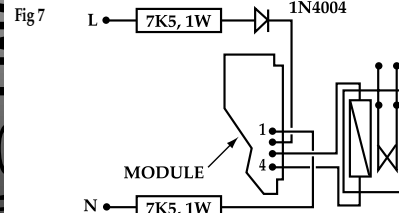
### MEU17 & EMU17

- 6 ON/OFF programmes, daily, weekly, weekend or weekday options
- Easy 2 button programming
- Change/Override until next programme
- Rechargeable Metal Hydride battery back-up with 1000 hours reserve
- Requires only an external resistor, diode and relay to switch mains
- Temperature range 0° to 55°C

### Operation

The programme button advances programme steps and the change button then updates the item selected. Day/days of week is first to be programmed followed by hours and minutes. The 6 ON/OFF programmes then follow, each in the sequence day/days, hours and minutes. If, during programming, no button is pressed over a period of one minute then the display will revert to normal operation. In normal operation, pressing the change button changes the output until the next programme step.

### Two Resistor PSU - gives Optimum EMC Performance (MEU11 & MEU17 only)



## All Types

### Connections

- Pin 1: Common.
- Pin 2: Positive battery charge plus relay current. Min 0.50 mA (No relay).
- Pin 3: Relay connection.
- Pin 4: Output & relay connection. NPN open connector. Max 10 mA, 47 V A Molex 7720 4 way connector or similar is recommended.

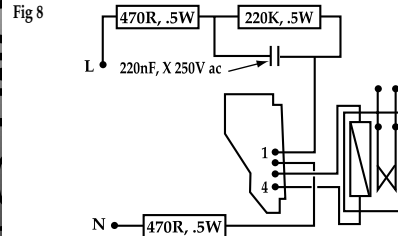
### MEU11 and MEU17 - Typical Usage

The examples in figs 6, 7 and 8 show the module driving a Shrack 48V relay with power derived from the mains. Type RP330048 or RP331048 (Changeover contracts). In these configurations the relay pulls in at 47V and is held at above 24V with mains voltages down to 200V.

### EMU11 and EMU17 - Typical Usage

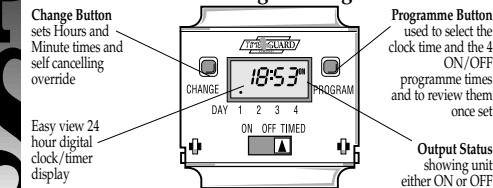
In this case the circuit in fig 6 can be used with a 10K, 3W resistor in place of the 15K, 2W resistor shown and a 1.3W zener must be connected between pins 1 and 2 of the module. The circuit in fig 7 can be used with two 5K1, 1.5W resistors in place of the 7K5, 1W resistors shown and a 1.3W zener must be connected between pins 1 and 2 of the module. In all cases the zener is 47V and its cathode is connected to module pin 2.

### Capacitor PSU (MEU11 & MEU17 only)



It is possible to operate these modules from other voltages. Please contact Technical Service on 020 8450 0515 for advice.

## 3. EMU11 & MEU11 Programming Instructions



**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

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

**Easy view 24 hour digital clock/timer display**

### Battery

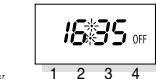
This product has a factory fitted rechargeable battery. If the time controller is left with its mains power switched off for more than 1 month the display may go blank. In this case switch mains on, wait 30 minutes, and apply reset - see 1 before programming.

### Programming

Only two setting buttons are required, Change and Program. In normal use the Change button is used to switch ON or OFF, overriding the timeswitch until the next programmed OFF or ON time. During programming the Change button is used to set the hours and minutes. The Program button is only used when setting or adjusting the clock time or the 4 programmed ON/OFF times, although it can also be used to review the ON/OFF times once they have been set. Each time the Program button is pressed the display will flash either the hours or minutes in turn, starting with the clock then the first ON time, first OFF time, second ON time etc. Wherever the hours or minutes are flashing they may be set using the Change button. Once set the Program button is pressed again to proceed to the next stage.

### Normal Operating Mode

In normal operation the PanelMaster will display the correct time with the colon flashing. The output 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 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 digit flashing.



You are now in the clock setting mode at the beginning of the programme sequence

HELPLINE  
020-8450-8944

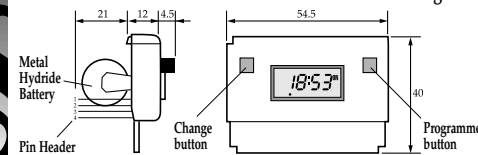


For a product brochure please contact:  
**Timeguard Ltd.**  
Victory Park, 400 Edgware Road,  
London NW2 6ND  
Tel: 020 8452 1112  
or email [csc@timeguard.com](mailto:csc@timeguard.com)

Designed and manufactured in the U.K. 67-057-97 (2)

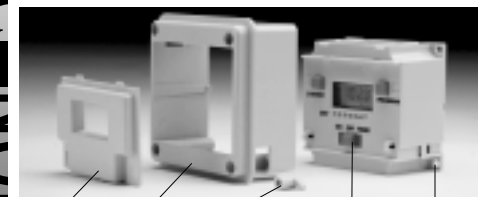
## 1. Physical Arrangements & Installation Instructions

### MEU 11 & MEU 17



Engineering drawing can be supplied on request

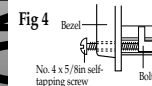
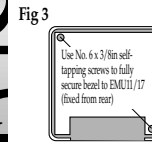
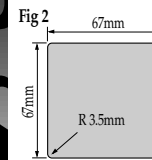
### EMU 11 & EMU 17



Tamper proof cover  
Bezel for panel mounting  
Panel mount bolts  
Slide switch allowing continuous ON or OFF or programmed operation  
Surface mount fixing

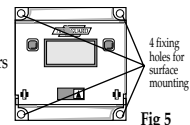
### Contents

- 1 EMU11 (24 hour) or EMU17 (7 day)
- 1 Panel mount bezel
- 1 Tamper proof cover
- 4 Surface mount stand offs (length 10mm)
- 2 Panel mount bolts
- 2 Self-tapping screws (No. 4 x 5/8 in) for panel mount bolts
- 2 Self-tapping screws (No. 6 x 3/8 in) for attaching bezel to EMU11/17



### Surface Mounting

The EMU11/17 without bezel can be surface mounted using the 4 securing holes as shown in figure 5. 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 EMU11/17 must be installed within a housing or cubicle to prevent access to the mains terminations.



### Installation - Panel Mounting

For panel mounting (in panels up to 7.0mm thick with the cut-out as shown in figure 2) the EMU11/17 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 3.

When selecting a position for the unit it should be born 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:

- a. Insert the 2 bolts provided in the locations shown in figure 4.
- b. Then insert the 2 No. 4 x 5/8 in self-tapping screws into the bolts and engage thread.
- c. Make connections to the unit by wires terminated in a Molex 4 way 7720 or similar connector from behind the panel.
- d. Insert the EMU11/17 complete with bezel into the panel and tighten up the 2 No. 4 self-tapping screws. The ears on the bolts will rotate under the tightening action to clamp the unit to the panel.

## 2. Specifications

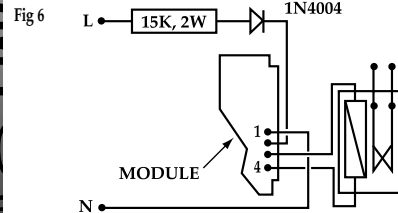
### MEU11 & EMU11

- 4 ON/OFF programmes
- Easy 2 button programming
- Change/Override until next programme
- Rechargeable Metal Hydride battery back-up with 1000 hours reserve
- Requires only an external diode, resistor and relay to switch mains
- Temperature range 0° to 55°C

### Operation

The programme button advances programme steps and the change button the hours and minutes which flash. Time of day is set first and is updated during the programming period. Programmes 1 to 4 follow. If, during programming, no button is pressed over a period of one minute then the display will revert to normal operation. In normal operation, pressing the change button changes the output until the next programme step.

### Single Resistor PSU (MEU11 & MEU17 only)



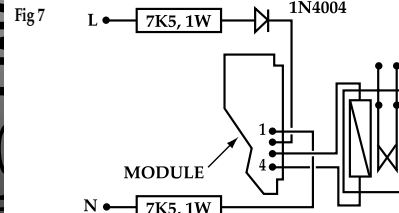
### MEU17 & EMU17

- 6 ON/OFF programmes, daily, weekly, weekend or weekday options
- Easy 2 button programming
- Change/Override until next programme
- Rechargeable Metal Hydride battery back-up with 1000 hours reserve
- Requires only an external resistor, diode and relay to switch mains
- Temperature range 0° to 55°C

### Operation

The programme button advances programme steps and the change button then updates the item selected. Day/days of week is first to be programmed followed by hours and minutes. The 6 ON/OFF programmes then follow, each in the sequence day/days, hours and minutes. If, during programming, no button is pressed over a period of one minute then the display will revert to normal operation. In normal operation, pressing the change button changes the output until the next programme step.

### Two Resistor PSU - gives Optimum EMC Performance (MEU11 & MEU17 only)



### All Types

#### Connections

- Pin 1: Common.
- Pin 2: Positive battery charge plus relay current. Min 0.50 mA (No relay).
- Pin 3: Relay connection.
- Pin 4: Output & relay connection. NPN open connector. Max 10 mA, 47 V A Molex 7720 4 way connector or similar is recommended.

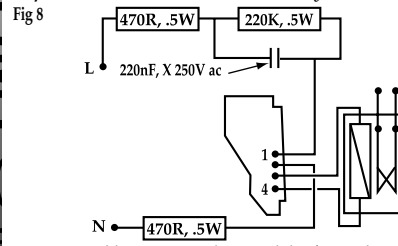
#### MEU11 and MEU17 - Typical Usage

The examples in figs 6, 7 and 8 show the module driving a Shrack 48V relay with power derived from the mains. Type RP330048 or RP331048 (Changeover contracts). In these configurations the relay pulls in at 47V and is held at above 24V with mains voltages down to 200V.

#### EMU11 and EMU17 - Typical Usage

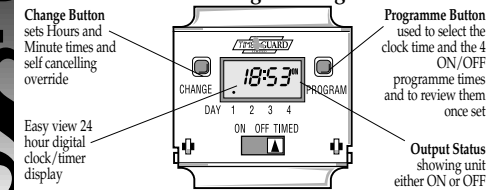
In this case the circuit in fig 6 can be used with a 10K, 3W resistor in place of the 15K, 2W resistor shown and a 1.3W zener must be connected between pins 1 and 2 of the module. The circuit in fig 7 can be used with two 5K1, 1.5W resistors in place of the 7K5, 1W resistors shown and a 1.3W zener must be connected between pins 1 and 2 of the module. In all cases the zener is 47V and its cathode is connected to module pin 2.

#### Capacitor PSU (MEU11 & MEU17 only)



It is possible to operate these modules from other voltages. Please contact Technical Service on 020 8450 0515 for advice.

## 3. EMU11 & MEU11 Programming Instructions



### Battery

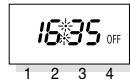
This product has a factory fitted rechargeable battery. If the time controller is left with its mains power switched off for more than 1 month the display may go blank. In this case switch mains on, wait 30 minutes, and apply reset - see 1 before programming.

### Programming

Only two setting buttons are required, Change and Program. In normal use the Change button is used to switch ON or OFF, overriding the timeswitch until the next programmed OFF or ON time. During programming the Change button is used to set the hours and minutes. The Program button is only used when setting or adjusting the clock time or the 4 programmed ON/OFF times, although it can also be used to review the ON/OFF times once they have been set. Each time the Program button is pressed the display will flash either the hours or minutes in turn, starting with the clock then the first ON time, first OFF time, second ON time etc. Wherever the hours or minutes are flashing they may be set using the Change button. Once set the Program button is pressed again to proceed to the next stage.

### Normal Operating Mode

In normal operation the PanelMaster will display the correct time with the colon flashing. The output 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 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 digit flashing.



You are now in the clock setting mode at the beginning of the programme sequence

HELPLINE  
020-8450-8944



For a product brochure please contact:  
**Timeguard Ltd.**  
Victory Park, 400 Edgware Road,  
London NW2 6ND  
Tel: 020 8452 1112  
or email [csc@timeguard.com](mailto:csc@timeguard.com)

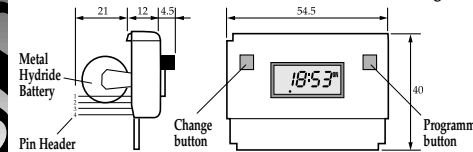
Designed and manufactured in the U.K. 67-057-97 (2)





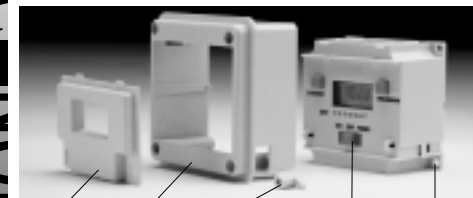
## 1. Physical Arrangements & Installation Instructions

### MEU 11 & MEU 17



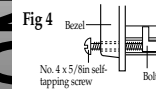
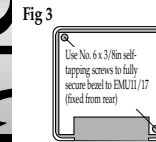
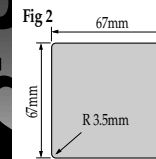
Engineering drawing can be supplied on request

### EMU 11 & EMU 17



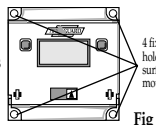
### Contents

- 1 EMU11 (24 hour) or EMU17 (7 day)
- 1 Panel mount bezel
- 1 Tamper proof cover
- 4 Surface mount stand offs (length 10mm)
- 2 Panel mount bolts
- 2 Self-tapping screws (No. 4 x 5/8 in) for panel mount bolts
- 2 Self-tapping screws (No. 6 x 3/8 in) for attaching bezel to EMU11/17



### Surface Mounting

The EMU11/17 without bezel can be surface mounted using the 4 securing holes as shown in figure 5. 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 EMU11/17 must be installed within a housing or cubicle to prevent access to the mains terminations.



### Installation - Panel Mounting

For panel mounting (in panels up to 7.0mm thick with the cut-out as shown in figure 2) the EMU11/17 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 3.

When selecting a position for the unit it should be born 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:

- Insert the 2 bolts provided in the locations shown in figure 4.
- Then insert the 2 No. 4 x 5/8 in self-tapping screws into the bolts and engage thread.
- Make connections to the unit by wires terminated in a Molex 4 way 7720 or similar connector from behind the panel.
- Insert the EMU11/17 complete with bezel into the panel and tighten up the 2 No. 4 self-tapping screws. The ears on the bolts will rotate under the tightening action to clamp the unit to the panel.

## 2. Specifications

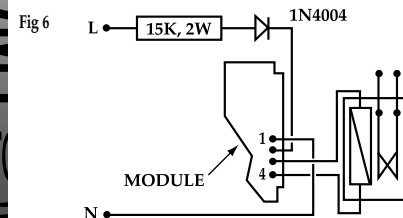
### MEU11 & EMU11

- 4 ON/OFF programmes
- Easy 2 button programming
- Change/Override until next programme
- Rechargeable Metal Hydride battery back-up with 1000 hours reserve
- Requires only an external diode, resistor and relay to switch mains
- Temperature range 0° to 55°C

### Operation

The programme button advances programme steps and the change button the hours and minutes which flash. Time of day is set first and is updated during the programming period. Programmes 1 to 4 follow. If, during programming, no button is pressed over a period of one minute then the display will revert to normal operation. In normal operation, pressing the change button changes the output until the next programme step.

### Single Resistor PSU (MEU11 & MEU17 only)



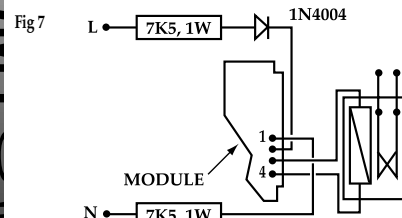
### MEU17 & EMU17

- 6 ON/OFF programmes, daily, weekly, weekend or weekday options
- Easy 2 button programming
- Change/Override until next programme
- Rechargeable Metal Hydride battery back-up with 1000 hours reserve
- Requires only an external resistor, diode and relay to switch mains
- Temperature range 0° to 55°C

### Operation

The programme button advances programme steps and the change button then updates the item selected. Day/days of week is first to be programmed followed by hours and minutes. The 6 ON/OFF programmes then follow, each in the sequence day/days, hours and minutes. If, during programming, no button is pressed over a period of one minute then the display will revert to normal operation. In normal operation, pressing the change button changes the output until the next programme step.

### Two Resistor PSU - gives Optimum EMC Performance (MEU11 & MEU17 only)



### All Types

#### Connections

- Pin 1: Common.
- Pin 2: Positive battery charge plus relay current. Min 0.50 mA (No relay).
- Pin 3: Relay connection.
- Pin 4: Output & relay connection. NPN open connector. Max 10 mA, 47 V A Molex 7720 4 way connector or similar is recommended.

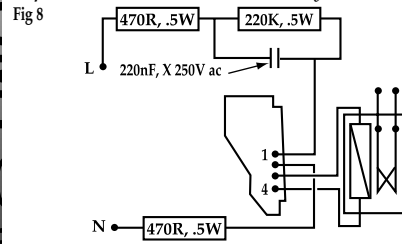
### MEU11 and MEU17 - Typical Usage

The examples in figs 6, 7 and 8 show the module driving a Shrack 48V relay with power derived from the mains. Type RP330048 or RP331048 (Changeover contracts). In these configurations the relay pulls in at 47V and is held at above 24V with mains voltages down to 200V.

### EMU11 and EMU17 - Typical Usage

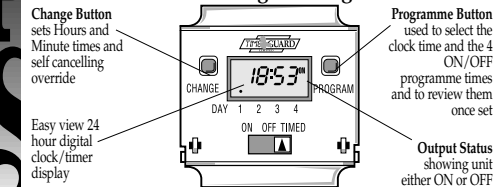
In this case the circuit in fig 6 can be used with a 10K, 3W resistor in place of the 15K, 2W resistor shown and a 1.3W zener must be connected between pins 1 and 2 of the module. The circuit in fig 7 can be used with two 5K1, 1.5W resistors in place of the 7K5, 1W resistors shown and a 1.3W zener must be connected between pins 1 and 2 of the module. In all cases the zener is 47V and its cathode is connected to module pin 2.

### Capacitor PSU (MEU11 & MEU17 only)



It is possible to operate these modules from other voltages. Please contact Technical Service on 020 8450 0515 for advice.

## 3. EMU11 & MEU11 Programming Instructions



### Battery

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

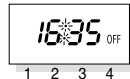
Only two setting buttons are required, Change and Program. In normal use the Change button is used to switch ON or OFF, overriding the timeswitch until the next programmed OFF or ON time. During programming the Change button is used to set the hours and minutes. The Program button is only used when setting or adjusting the clock time or the 4 programmed ON/OFF times, although it can also be used to review the ON/OFF times once they have been set. Each time the Program button is pressed the display will flash either the hours or minutes in turn, starting with the clock then the first ON time, first OFF time, second ON time etc. Wherever the hours or minutes are flashing they may be set using the Change button. Once set the Program button is pressed again to proceed to the next stage.

### Normal Operating Mode

In normal operation the PanelMaster will display the correct time with the colon flashing. The output 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 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 digit flashing. You are now in the clock setting mode at the beginning of the programme sequence



HELPLINE  
020-8450-8944



For a product brochure please contact:

**Timeguard Ltd.**  
Victory Park, 400 Edgware Road,  
London NW2 6ND  
Tel: 020 8452 1112  
or email [csc@timeguard.com](mailto:csc@timeguard.com)

Designed and manufactured in the U.K. 67-057-97 (2)

## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [timeguard](#) manufacturer:*

Other Similar products are found below :

[EMU17](#) [ELU56](#) [FST24](#) [RCD08MPV](#)