

TIMEGUARD®

24 Hour & 7 Day
Electronic OEM Time
Control Module

Model: EMU56



Installation & Operating Instructions

1. General Information

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

2. Safety

- Before installation or maintenance, ensure the 1.4 – 1.6 Volt DC supply to the time controller is switched off.
- It is recommended that a qualified electrician is consulted or used for the installation of this time 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

- Power Supply: 1.25V to 1.65V supply
- Programming Locations: 112 memory locations (56 different ON/OFF operations per week. 8 ON and 8 OFF operations per day)
- Override: Self-cancelling override until the first program change
- Shortest Switching Time: 1 Minute
- Program suspension: Yes
- Temperature Range: -10° to 50°C
- Day and time omit capability

4. Overview

- The EMU56 Electronic Time Control Module is intended for use in OEM equipment. It is designed to operate from 1.25 – 1.65V supply and produces an open collector PNP outlet suitable for sourcing up to 0.25mA from the 1.5V supply when in the ON state.
- The EMU56 is designed for use with the PB04 power board which is operated from 220-240V AC mains, provides a relay output with voltage free normally open contacts which can carry up to 10A resistive or 6A inductive, and provides a battery backup supply to the module. PB04 operating temperature -10°C to 60°C .
- The EMU56 is supplied with a black plastic bezel size 60 x 47mm to fit panel cut out 56 x 44mm. The PB04 power board occupies an area of 51 x 61mm and requires clearance of 30mm above the PCB.

5. Connecting Diagram

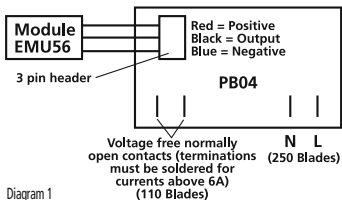


Diagram 1

6. Programming

- Five setting buttons are provided; the Set button is used to sequence the module in programming mode. The Day, Hrs and Mins buttons are used to set the days, hours and minutes as required. Please see diagram 2 for reference.

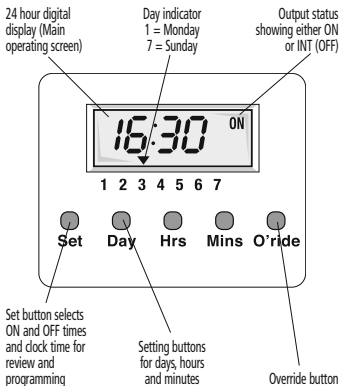


Diagram 2

6.1 Setting the Clock

NOTE: Pauses of 15 seconds or more during programming will result in automatic return to the main operating screen.

1. To prepare the module for programming clear the memory by pressing both the Set and Day buttons simultaneously until the display disappears. On releasing the buttons the display will show 0:00 INT with the colon flashing.
2. To set the current time press the Set button briefly and release, the display shows 0:00 ^{00:00} INT with "C" flashing at the right of the display.
3. Press the Day button until the black dot indicates the current day of the week (1–7).
1 = Monday, 2 = Tuesday, and so on.
4. Use the Hrs button to set the hours followed by the Mins button to set the minutes to the current time of day. Rapid selection can be achieved by continuously holding down either the Hrs or Mins buttons.
5. If the Set button is now pressed briefly and then released, the display will return to the current time of day with the colon flashing. The module is now displaying the main operating screen.

6.2 Setting the Programmes

NOTE: Pauses of 15 seconds or more during programming will result in automatic return to the main operating screen.

1. Press the Set button and hold it down for about 3 seconds until the display shows $- -: - \overset{\text{ON}}{\text{⌚}}$ with a flashing "1" (indicating programme 1).
2. Appearing underneath the "ON" indicator and the day indicator will point to day 1. To programme the first ON/OFF times for day 1 set the "ON" time required by pressing the Hrs and Mins buttons separately until the desired time is displayed.
3. Press the Set button briefly, and the display will show $- -: - \overset{\text{INT}}{\text{⌚}}$ with "INT" appearing underneath the flashing "1". Note: INT = Interrupt and means "OFF".
4. The first "OFF" time for day 1 can now be programmed by using the Hrs and Mins buttons.

5. Press the Set button briefly and the display shows and the programme 2 "ON" time can be entered as for programme 1. If no additional programmes are required all other programmes should be left blank. You can also omit by not programming any ON/OFF times on the day you require no switchings.

6.3 Setting Programmes – Day 2,3 etc.

NOTE: Pauses of 15 seconds or more during programming will result in automatic return to the main operating screen.

1. If the display still shows a day 1 "ON" or "OFF" programme press the Day button, and the day indicator will move above day 2.
2. If, instead, the display shows the current time with the colon flashing press the Set button and hold down for about 3 seconds until the display shows the first programme "ON" time for day 1.
3. Press the Day button again briefly and the day indicator will move above day 2.
4. In either case the display will change to with a flashing 1 (indicating programme 1 on day 2) appearing underneath the "ON" indicator.

5. The required programmes can now be set for day 2 in the same way as for day 1. Days 3 to 7 can be programmed in the same way as for days 1 and 2.
6. Once the programming is complete press the Set button for about 3 seconds until the display returns to the current time of day with the colon flashing. The module is now displaying the main operating screen.

6.4 Suspending Programmes

NOTE: Pauses of 15 seconds or more during programming will result in automatic return to the main operating screen.

1. Press and hold down the Set button for about 3 seconds until the first "ON" programme, day 1 is displayed.
2. Press the Day button repeatedly until the day indicator points to the day on which you wish to suspend the ON/OFF time.
3. Press the Set button repeatedly until the "ON" or "OFF" time of the programme you wish to suspend is displayed.
4. Now press the O'ride button. A black "X" will appear indicating that both the "ON" and "OFF" times for this programme have

been suspended until reinstatement by the user. There is no limit to the number of programmes you can suspend.

5. To reinstate a suspended programme return to either the "ON" or "OFF" time of the programme which has been suspended and cancel the black "X" by pressing the O'ride button. The ON/OFF programme will now operate on the selected day.

6.5 Reviewing the Programmes

NOTE: Pauses of 15 seconds or more during programming will result in automatic return to the main operating screen.

1. Press and hold down the Set button for about 3 seconds until the first programme "ON" time for day 1 is displayed.
2. Press the Day button repeatedly until the day indicator points to the day to be reviewed after which repeated brief pressing of the Set button will display each programme or unused setting in sequence for that day.
3. At any point the setting may be altered, if required, by use of the hour and minute buttons.

4. To review another day press the Day button until the day indicator points to the required day and use the Set button to select programme times as before.

6.6 Overriding the Module

To override the programme in operation, and to immediately switch the device ON or OFF, simply press the O'ride button. The display will change from "ON" to flashing "INT" or vice versa. The override automatically cancels when the third subsequent programme change occurs.

1 Year Guarantee

In the unlikely event of this product becoming faulty due to defective material or manufacture within the first year of the date of purchase, please return it to your supplier with proof of purchase and it will be replaced free of charge. If you are having any difficulty in the first year telephone the helpline on 020 8450 0515.

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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