

## Socket box timer



Operating Manual



Grässlin UK

Vale Rise  
GB-Tonbridge/Kent TN9 1TB

Phone: (01732) 359888

Fax: (01732) 354445

[www.tfc-group.co.uk](http://www.tfc-group.co.uk)

80.10.1274.7/11/11/01



## Setting instructions

1. To set current time, rotate minute hand until arrow-head aligns with correct time.
2. To set ON/OFF times, move all tappets between ON and OFF times required to outer position. I.E. to set ON at 7.30 a.m. and OFF at 10.30 a.m. move all tappets between 7.30 and 10.30 to outer position (see fig. 1).
3. Set any other ON/OFF times required in a similar manner to step 2 above.
4. Manual Override switch (see fig. 2)
  - In position 1 the timeswitch is permanently ON irrespective of tappet positions.
  - In position 2 the timeswitch is operating on timed control as determined by tappet positions.
  - In position 3 the timeswitch is permanently OFF irrespective of tappet positions.

Fig. 1 Tappets in OFF position

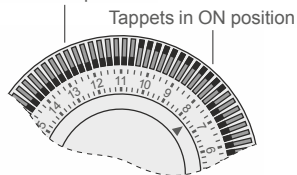
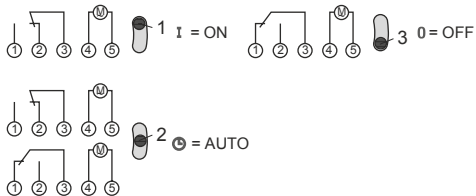
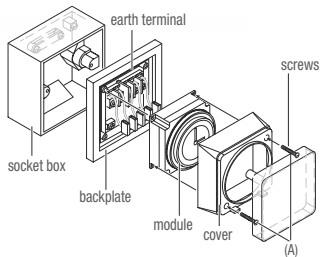


Fig. 2

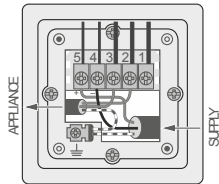


3. Fix backplate to socket box.
4. Connect wiring in accordance with wiring diagram. Do not combine solid and flexible conductors in the same terminal. When connecting flexible conductors use the ferrules supplied.
5. Fit cover over module and reassemble to backplate. Ensure fixed blue wires stowed neatly without being trapped.
6. Re-fit and tighten two screws (A).

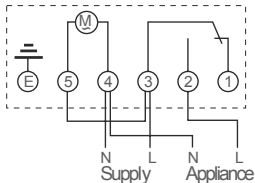
## Assembly



## Backplate wiring: Example



## Wiring diagram



The diagram shows wiring for a mains-operated load.

The link between terminals 3 and 5 must be fitted by the installer. For low voltage switching connect 230V L & N to 5 & 4 resp. and switch circuit to 3 & 2.



## Danger from electric shock!

The connection and installation of electrical devices may only be carried out by a qualified electrician!

## Specification

- Suitable for fitting to surface or flush mounted socket box.
- Designed for fixed wiring only
- Supply voltage  
220–240 V 50 Hz (Art.No. 01.03.5009.1 / 01.03.5010.1)  
110 – 120 V 60 Hz (Art.no. 01.03.5011.1)
- Output switch rating 16 A (8 A)
- Lighting loads: tungsten max. 1300 W.  
For discharge lighting loads use a contactor.
- SB-STuZH (24 Hour) min. switching time 15 minutes
- SB-SWuZH (7 Day) min. switching time 2 hours
- Manual switch giving: constant ON, constant OFF and TIMED

- Max. torque rating: 7 In-Lbs (0,75 Nm)
- Cable cross-section: 0,5 – 2,5 mm<sup>2</sup> (captive ± screw terminal)

## Mains installation

This product must be installed by a qualified person in accordance with I.E.E. wiring regulations. The examples are suitable for connecting to a mains input / mains output installation.

## Volt-free switching

If there is no link between terminals 3 and 5, it is possible to use the timer to control a load on a separate supply circuit, which can be a different voltage value up to 250 V AC. In this case, connect the mains live and neutral to 5 and 4 respectively, then connect the live in / live out of the circuit to be switched, to terminals 2 and 3.

## Installation procedure

1. Switch off supply to socket box.
2. Unscrew two screws (A) - please see Assembly diagram - securing timeswitch to backplate; remove cover and gently pull module from backplate. Do not put undue stress on, or interfere with fixed blue wires.