

Figure 1.

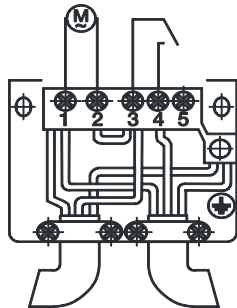


Figure 2.

**Wiring for immersion heater or mains-switching applications**

**Connection:**

**Supply:**

Live - terminal 3

Neutral - terminal 1

**Load:**

Live - terminal 4

Neutral - terminal 1

**Link:**

Terminals 2 - 3

Earth - Earth park

**Wiring for general purpose use**

**(as a volt-free control)**

To convert the timer for volt-free applications, remove the brass link. Connect mains to terminals 1 & 2 (not polarity conscious). Switching will occur across terminals 3, 4 & 5.

Common - terminal 3

Normally open (ON) - terminal 4

Normally closed (OFF) - terminal 5

Earth - Earth park terminal

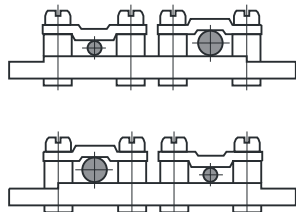


Figure 3.

**Specification**

- COMMS: WiFi ISM 2.4GHz; WLAN 802.11 b/g/n
- PROG CAPACITY: 15 On/Off Programmes
- COUNTDOWN: Countdown On or Off
- RANDOM: Output switches randomly during set period.
- REPEAT: A repeating cycle that can be set between the ON and OFF times.
- DIMENSIONS: 70 x 118 x 50
- WEIGHT: 190g
- POWER: 1vA @ 230V 50Hz
- RESISTIVE LOAD: 16 Amperes
- INDUCTIVE LOAD: 4 Amperes (cos Ø 0.6)
- TEMP RATING: -10T55
- ACCURACY: Internet Synchronised
- MIN. SWITCHING: 1 Minute
- OVERRIDE: On / Timed / Off

Class II control / Protection class IP20

Complies with European Norm

EN 61058-1:2002+A2:2008

Switches for Appliances: General Requirements, and European Directives:

LVD; EMC; RoHS; RED

www.tfc-group.co.uk  
**TFC Group Tonbridge TN9 1TB**



**OPTIMUM WiFi Time Switch**

Immersion Heater / General Purpose  
 and Plug-in Boiler Module Use

**Installer instructions**

**OP-BM/IHTWF01**  
**WIFI TIMESWITCH**

(product version is shown on the rating label)

Installation guide

Specification

## Installation guide

Installation must be carried out in accordance with the current edition of the I.E.E. Wiring Regulations. It is recommended that installation is undertaken only by a qualified electrician.

Undo the recessed cross-head screws 'a' (see Fig.1). Lift off the outer housing. Grip the square base of the timer and pull the timer away from the back-Plate.

Drill the wall to suit the three backplate mounting holes b, c, & d. Do not mount the timer on an un-earthed metal or metallised surface. Secure to wall surface using suitable wall plugs & screws.

## Immersion Heater Control.

Connect wiring according to the wiring diagram. See Fig.2. When installing for

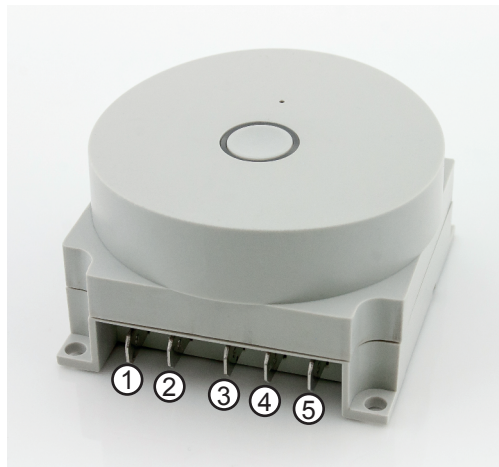
immersion heater control ensure the brass link is correctly positioned and retained as pre-fitted to terminals 2 & 3.

## General Purpose Control.

Removal of the brass link converts the timer switch to a volt-free configuration. Secure cable and flex using clamps provided (see Fig.3.)

Do not connect unprepared stranded wires. Use ferrules supplied to crimp stranded wire terminations. Means of disconnection with minimum 3mm contact separation in all poles must be incorporated in the fixed wiring mains supply.

Push timeswitch module onto backplate, ensuring good engagement of tab terminals. Refit housing to backplate.



## BOILER MOUNTING OPTION (220-240V AC)

Terminals 1 & 2

(Supply Live & Neutral (not polarity conscious))

Terminals 3 & 4

(Switched pair (Normally Open Volt Free Contacts))

Terminal 5

(Normally Closed / OFF / Not used)



Connect mains to terminals 1 & 2 (not polarity conscious). Switching will occur across terminals 3, 4 & 5.

Terminal 3 = Common (Switched Live In)

Terminal 4 = Normally open (ON / Switched Live Out)

Terminal 5 = Normally closed (OFF)