



# Technical Data

## Wall Timer Switches

### Brief product description:

The subtle design will blend with any décor - suitable for domestic or commercial installations.

Timer allows lighting to be turned on and off when you are away.

### Features:

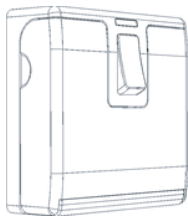
- Hinged cover conceals the controls.
- 8 separate on and off programme settings
- Battery backup for the timer settings in the event of a power failure (24 hours)
- Can be used as a standard light switch
- 3A Fuse to BS646 fitted
- Easily changed from BST to GMT. Not suitable for fluorescent lighting,
- Not suitable for use with dimmer switches when used in a 2 way lighting circuit. low energy CFL or low voltage lighting



### Technical Specifications

Standard(s)	BSEN60669-1
Rating	40 - 400W Tungsten filament lamps
Terminal Capacity	2 x 1.5mm <sup>2</sup>
RoHS Directive	No
WEEE Directive	No
Mounting Box Depth(Min)	16mm
Fixing Centres	60.3mm
Size	86mm x 86mm x 46mm

### Line Diagrams



TWE7

### Packaging Information

Cat No.	Description	Packaging Type			Pack Quantity			Barcode		
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Individual	Inner Box	Outer Box
TWE7	7 Day Wall Timer	Nexus Clamshell	Nexus Inner	Nexus Outer	1	5	50	5050765018791		

### Weights & Dimensions

Cat No.	Description	Dimension (W x L x H) cm			Weight (g)			CMB (m <sup>3</sup> )
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Outer Box
TWE7	7 Day Wall Timer	xxx	xxx	xxxx	xxx	xxx	xxxx	xxx

# Wall Timer Switches

## Installation Information

### Safety Warning

Before use please read carefully and use in accordance with these safety wiring instructions.

Before commencing any electrical work ensure the supply is **switched off at the mains**. Either by switching off the consumer unit or by removing the appropriate fuse.

Wiring should be in accordance with the latest edition of the IEE regulations (BS 7671).

### Wire Identification – Twin & Earth Cable

EARTH = Green/Yellow Slewing

NEUTRAL = Black (pre Apr 04) / Blue (after Apr 04)

LIVE = Red (pre Apr 04) / Brown (after Apr 04)

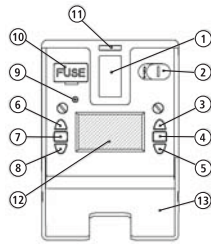
To prevent fire hazard always use cable of the correct rating, size and type for the application.

**Note** - If your installation uses a four lug metal mounting box, remove the top and bottom lugs or bend fully back.



**Technical Helpline: 0845 194 7584**  
If in doubt consult a competent electrician.

1. Manual Switch
2. Mode Selector
3. "CLOCK" Button
4. "PROG" Button
5. "Time Recall/Cancel" Button
6. "MIN" Button
7. "HOUR" Button
8. "DAY" Button
9. "Reset" Button
10. Fuse (3 Amp, BS646)
11. Red Indicator Light
12. Display
13. Control Cover



### NOTES

- The internal battery may require up to 2 hours to charge before first use, or long periods of non-use. To charge the unit must be connected to the mains power supply – and the switch turned ON (under load conditions)

- Timer tolerance +/- 2min per month

- Max load = 400W or 2.5 Amps

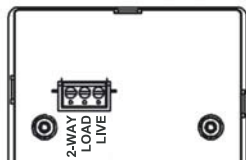
- Only suitable for most tungsten filament lamps

### IMPORTANT

Do not use with fluorescent lighting, low energy CFL, low voltage

### Installation Instructions

The unit is designed to be used in place of a standard light switch in a one-way or two-way standard circuit. Connections to other circuits are possible but beyond scope of this instruction, so please consult a qualified electrician for advice. The rear face of the unit has a terminal block with 3 connections:



LIVE: for connecting Live

LOAD: for connecting switched live to Light bulb or Load

2-WAY: for use with 2-way circuits only

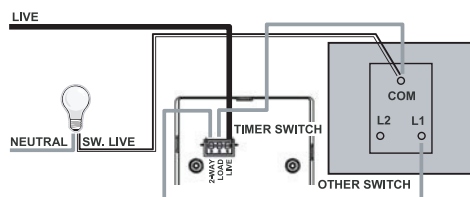
**Note** - It is important that a Live connection to the unit exists to provide permanent power for the timer, especially on 2-way circuits where the Live connection will only be at one switch.

For a two-way circuit, depending on how it is wired, there may be either 3 wires at both switches OR 3 wires at one switch & 5 wires at the other.

### Typical Two-Way Circuit (3 Wires Both Ends)

Connect:

1. Live wire to the LIVE terminal.
2. COM (or C) from other switch to LOAD terminal
3. L1 from other switch to 2-WAY terminal
4. Switched Live wire to the other switch COM terminal L2 on other switch has no connection, & wire **MUST** be isolated by connecting to a separate terminal block or similar.



If the Timer switch is required at the end of circuit without an existing Live connection, one of the existing wires will need to be used to extend the Live connection to the unit.

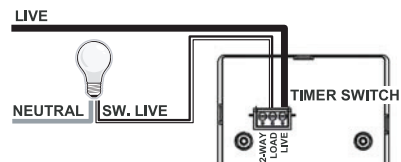
Remove existing light switch & note the numbers of wires, excluding any Earth connections & proceed as below:

For a one-way circuit there should be only 2 wires.

### Typical One-Way Circuit

Connect:

1. Live wire to the LIVE terminal.
2. Switched Live wire to the LOAD terminal

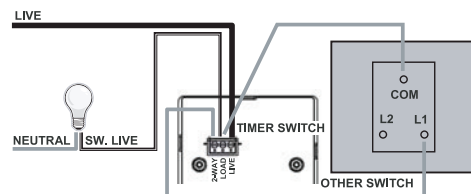


This circuit normally uses 3-core insulated cable to connect between the COM, L1 & L2 terminals between both switches. The end of the circuit with 5 wires also includes the Switched LIVE & LIVE wires.

### Typical Two-Way Circuit (5 Wires One End, 3 Wires Other)

Connect:

1. Live wire to the LIVE terminal.
2. COM (or C) from other switch to LOAD terminal
3. L1 from other switch to 2-WAY terminal
4. Switched Live wire to LOAD terminal
- L2 on other switch has no connection, & wire **MUST** be isolated by connecting to a separate terminal block or similar.



# Wall Timer Switches

## Setup Instruction

### Setting The Current Time

To access the controls, open cover from the top and pull towards you.

1. Press RESET button using a ball point pen.
2. To set Hour – Press & hold CLOCK and then press HOUR to advance Hour.
3. To set Minute – Press & hold CLOCK and then press MIN to advance Min.
4. To set Day – Press & hold CLOCK and then press DAY to advance Day

**Note** – holding down the HOUR, MIN or DAY buttons will advance the setting rapidly for quicker set-up.

### British Summer Time Adjustment

The timer has the ability to adjust for British Summer Time (BST).

Press HOUR and MIN together, the display will show "S" on the right side of the display, and the time will advance 1 hour. Repeat process to switch back to normal time setting – "S" will disappear

### Programming The Timer

The indicator light (11) on the timer will flash repeatedly when it contains no program settings.

A maximum of 8 different programs can be set (8 On & 8 Off) per day.

One program setting can be made for either, a single individual day, weekday, weekend, workdays (inc Sat), or groups of days (4 options).

To set a program,

1. Press PROG button to enter the programming mode, display will show "1 ON" in the bottom left corner.
2. Press the HOUR, MIN and DAY to enter the required information.

**Note** – when pressing DAY the display will cycle through the following options in order;

- |   |                                    |
|---|------------------------------------|
| - All Days : Display will show all days visible on Screen | - Workdays: MO, TU, WE, TH, FR, SA |
| - Individual Days: MO – TU – WE – TH – FR – SA – SU       | - Group 1: MO, WE, FR              |
| - Week Days: MO, TU, WE, TH, FR                           | - Group 2: TU, TH, SA              |
| - Weekend: SA, SU   | - Group 3: MO, TU, WE              |
|   | - Group 4: TH, FR, SA              |

3. Press PROG to confirm selection, and the display then display "1 OFF", you can now enter the OFF time using the HOUR and MIN buttons.

4. Press PROG to confirm selection, the display will show "2 ON" for a 2 program.

5. Repeat procedure to set up to 8 different programs.

6. Pressing CLOCK at anytime means you will leave the programming mode. No activity for 30 seconds in programming mode will mean timer will return to normal time display mode.

### Cancelling Programs

Pressing R during the program time setting will cancel the current time setting & disable that program. The display will show "-:-:-".

Pressing R again recalls previous set time.

### Reviewing Programs

To review the programs press PROG, and press again as required to review each setting, adjustments can be made accordingly

### Reset

To clear time and program settings press RESET. The indicator light & any connected light will remain on for 30 secs to indicate reset has been pressed.

### Auto / Manual Switch

The timer can operate in either Manual or Timer (Auto) mode – via the mode switch (2).

The unit is in Timer (Auto) mode when the switch is to the left & in manual mode when to the right. When in Auto mode, the red indicator light (11) will illuminate & display will show "AUTO" near bottom.

When in Timer (Auto) mode the time function can be overridden by pressing the main rocker switch (1). The program will then proceed to the next setting.

For example,

Light is ON, and in Timer mode – pressing switch (1) will turn off light. Timer will stay in Auto mode, and will remain in this state until the next program time command is reached. In manual mode the product will operate as a standard light switch.

### Replacing The Fuse

The Fuse will need to be replaced if there is incorrect operation of timer unit. This may be as a result of incorrect wiring or possibly after replacing a lightbulb.

1. Using a flat bladed screw-driver, carefully lever open the fuse carrier.
2. Pull the carrier out and replace the fuse.

**Note** - the fuse carrier cannot be fully removed from the product.

3. Fit a new 3 Amp fuse (to BS646 – Not standard plug type fuse) and push the carrier home so it sits flush with the surface of the faceplate.

### Replacing A Failed Light Bulb

In the event of a light bulb failure, always disconnect the power before replacing the bulb. This should be achieved by switching off at the consumer unit, or removing the fuse from the timer (as described above).

**Note:** A failed light bulb will prevent the timer unit from operating correctly.