

Master push button and touch timer

Fitting and operating instructions – Two wire (Lin-Lout). For lighting only



Push Button Master



Touch Master

Features

Time Delay: 2min-2hr

Voltage: 240Va.c. 50Hz

Load Rating & Type: 16A for all lighting loads that are LED, Compact Fluorescent and Fluorescent, Incandescent and Resistive.

(This Push button and touch timer cannot be used on contactors. Please use Elkay three wire Master timers and sensors)

The pushbutton/touch timers are part of the Elkay family of switches, timers and detectors which save energy and increase convenience in and around your home, garden or premises.

Usage

The push button/touch timers are general purpose time controls. Applications for suitable use include lighting and fans with lighting. The timers can be used independently or as a master unit when using slave trigger switches. One master product only for each circuit being switched with additional slave units at other positions in the circuit.

When used with some low wattage lighting, low voltage lighting, LED fittings and 2D flourescents, please ensure a capacitor of 4 microfarads is fitted at the load across the switch live and neutral. Only one is required per circuit. Supplies of suitable Elkay capacitors can be found at your local stockist (ref PFCC-1).

IMPORTANT Please note that it is essential that the live in and live out are identified prior to commencing the installation and steps 1 – 3 are followed precisely. No neutral is required on this product (See diagram 1). Do not install the switch timer with the mains power on as this can damage the product.

Do not megger test or insulation resistance test this product. Remove before testing or test circuit prior to fitting.

Please ensure that when emergency fittings are tested for 3 hr test that battery switch number 4 on the product is switched off first and switched back on after test.

Diagram 1

Wiring diagram for a single sensor unit.

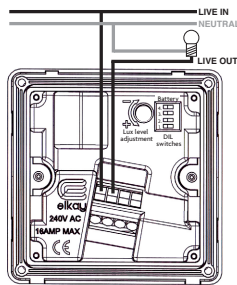
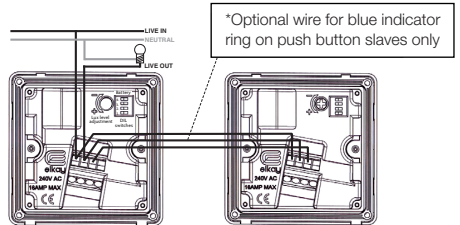


Diagram 2

Wiring diagram for a sensor unit with slave.



Master

350A-1*
360A-1
550A-3*
560A-3

Slave

350A-3*
360A-3
550A-5*
560A-5

Slave & Momentary Fitting

When connecting with slaves use three core cable connecting the live in, live out and trigger terminals as shown in Diagram 2. The optional wire to the slaves only applies to the 350A and 550A push button slave units and is ideal for retrofitting (See diagram 2).

Please note that the trigger terminal is the third terminal. Momentary or activating switches can also be used and can be connected to the Live In and the Trigger terminal of the master. This product requires a **24 hour power supply**. The battery inside the unit recharges when the light source or appliance is switched OFF. Where the supply may be interrupted or isolated regularly we must recommend our products from the three wire range.

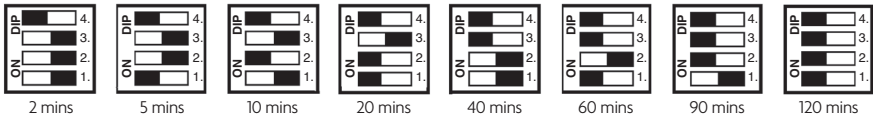
Your Elkay unit is compatible with a single gang, 25mm deep British Standard accessory plate. Please ensure that the top and bottom lugs are removed from metal wall boxes prior to fitting. For 16mm boxes Elkay provide a spacer plate (product code 220A-1) to take box depth to 25mm.

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Diagram 3

Please note that the **black bar** denotes the position of the dip switch



Installation Steps

DO NOT APPLY MAINS UNTIL INSTRUCTED!

Step 1 - Ensure that the mains power to the circuit is switched off. Place the previously identified Live In into the terminal marked L In and the switched Live Out into the L Out terminal.

Step 2 - Switch the battery (switch 4) – you will notice a red LED light flashing on the front of the unit- which will be flashing rapidly. Whilst this is in action please select the desired timings by selecting the appropriate time settings shown in diagram 3.

Step 3 - Attach the unit with the screws to the wall, then clip on the front fascia plate. The red LED light will now change to a single flashing light every 3 seconds approximately. You are now ready to apply the mains power. The light or chosen appliance will now start. Press and hold the button, the red flashing light goes off and the blue locator ring will light up around the push button/touch pad. Your light source or appliance will now be switched off and ready for operation.

Operation

1. Press the pushbutton/touch pad and the red LED will light once. Your light source or appliance will now be switched on. Please note that the pushbutton has an audible click.
2. At any time during the working of the light source or appliance, the push button/touch pad can be pressed to reset the timing sequence to the originally set time, e.g when the timing period is 30 minutes, if pressed 15 minutes into the sequence, the timer will restart to 30 minutes.
3. At one minute prior to the end of the timing sequence, the red LED will begin to flash continuously for the last minute of operation. The blue locator ring will then illuminate once the light source or appliance has gone off.
4. To end the timing sequence prematurely, press and hold the push button/touch pad until the red LED flashes continuously indicating the last minute countdown is in operation. Your light source or appliance will be switched off after one minute.



IMPORTANT NOTICE All wiring should be carried out by a competent person or qualified electrician and be fitted to current IEE Edition wiring regulations.

TECHNICAL HELPLINE

For further help or assistance or information on this or other products in the range please call the Elkay Technical team on 01675 468222. Please call the Technical helpline before returning any products to your stockist. In the unlikely event that you have to return your product please ensure you switch the battery off first.

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The Company's policy is one of continuous improvement and reserves the right to change specifications at any time without prior notice.

Standby/Sleep Mode

If the Elkay Timer does not receive power then the unit will put the unit into sleep mode to conserve the battery. The unit will attempt to latch on to the mains power 25 times automatically before going to sleep mode as mentioned above. To manually reactivate the unit press and hold for a period of 15 seconds approximately, the red LED should start to flash rapidly, release button, the LED changes to a flash every 3 seconds, press and hold again until load switches off. Leave in OFF condition for at least 30 minutes before re-pressing.

Outdoor Installation (550A and 560A only)

Please note only products in the Elkay energy outdoor range are suitable for use outdoors. Elkay energy outdoor can only be used in conjunction with the surface mount box supplied. Take the surface mount box and remove knockouts as required. Ideally remove with a hole-saw for cleanest effect and remove any burrs. Drill a small 3mm drain hole at the back of the box in the position marked 'DRAIN'. Drill outwards from the inside of the box. If required and to ensure IP66 waterproof rating, please use a suitable M20 cable gland and use appropriate sealing washers. Two yellow sealing washers are added for your convenience. Mount the surface mount box on a secure surface using the mounting pack supplied. Place screw cover seals over the mounting screws. It is essential that the correct IP66 rated connections are made to keep the IP66 rating of the back box. Steel wire armored connections without seals are not appropriate.

Turn off mains supply before proceeding with installation - Install as per Installation Steps in these instructions. Mount unit onto surface mount box using the fixing screws at all four corners ensuring even connection with the seal - Place screw hole seals over left and right screw cavities - Clip on front fascia plate - Re-instate mains supply.

Emergency Light Fittings

When carrying out the 3hr annual Emergency test please ensure that during the test that this timer is switched off at number 4 for the duration of the test.

This intelligent timer can detect failed Emergency fittings or ballasts and may go into Standby Mode. If this occurs remove the faulty emergency fitting and follow the Standby/Sleep Mode notes above.

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