



# remote timer

## Installation Instructions

### PRODUCT: 320A-1, 320A-2, 720A-2, 520A-1, 520A-2 REMOTE TIMER - THREE WIRE

- Incandescent 16A
- Compact Fluorescent 16A
- Resistive 16A
- Fluorescent 16A
- Voltage 240Vac
- Time Delay 2 min - 1 h

The remote sensor is 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

This remote timer is ideal for use in inaccessible areas with remote slave activated switches used to operate the timer. It is also useful where the time adjustment is to be protected from end users making unauthorised timing alterations.

PLEASE ENSURE A POWER FACTOR CORRECTION CAPACITOR OF 2 MICROFARADS (MINIMUM) IS FITTED, WHEN USED WITH SOME LOW WATTAGE LIGHTING, HEATING, VENTILATION CIRCUITS. SUPPLIES OF SUITABLE ELKAY CAPACITORS CAN BE FOUND AT YOUR STOCKIST (REF PFCC-1). SUITABLE FOR USE WITH CONTACTORS. IN SOME INSTANCES A CAPACITOR MAY BE REQUIRED AT THE CONTACTOR UNIT.

**IMPORTANT** Please note that it is essential that the live in and live out and neutral are identified prior to commencing the installation and steps 1 - 3 are followed precisely. Turn OFF the mains before installation. (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.

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.

#### Slave fitting and Momentary Fitting

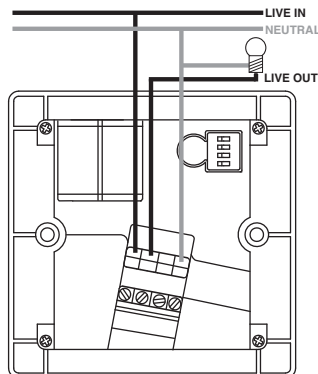
When connecting with Elkay slaves use three core cable connecting the live in, live out and trigger terminals as shown in Diagram 2.

Please note that the TRIGGER terminal is the third terminal between live out and neutral. Retractive or Momentary switches will work with this product when looped with the live in and trigger terminals.



### DIAGRAM 1

Wiring diagram for a single timer unit.



#### 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. Place the neutral into the terminal marked N for neutral (See Diagram 1).

**Step 2** - Attach required Elkay slave and ensure that the slaves are connected in three core connecting the Live In, Live Out and Trigger connections in series (See Diagram 2).

**Step 3** - To set the time as per timing table, use dip switches 1 to 4. Please see diagram 3 for details of positioning and timings. Turn on mains power.

#### IMPORTANT NOTICE

All wiring should be carried out by a competent person or a qualified electrician and should be fitted to IEE 17th Edition Wiring regulations BS7671:2008. The circuit should be isolated before carrying out any work. Failure to adhere to the instructions will invalidate the warranty.

#### TECHNICAL HELPLINE

For further help, or information on this and the other products in the Elkay range visit [www.elkay.co.uk](http://www.elkay.co.uk) or call 01675 468222.

Elkay Electrical, Coleshill, Birmingham, B46 1HT

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**Thomas & Betts**

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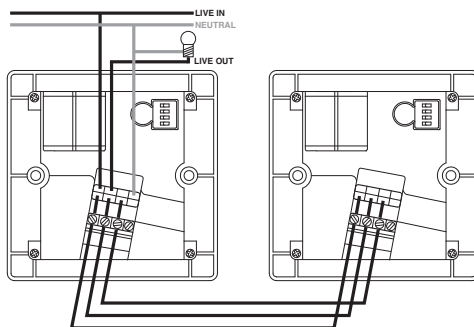


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### DIAGRAM 2

Wiring diagram for a timer unit with slave.



### Operation Notes

When the slave button is pressed it will send a trigger pulse to the remote timer to turn on the lights or appliance being switched. The timer will then turn off after the timing period elapses. If the timer is pushed again during the timing period then the timer will restart from the original time.

### Outdoor Installation (520 series 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 the knock out section. If required and to ensure IP66

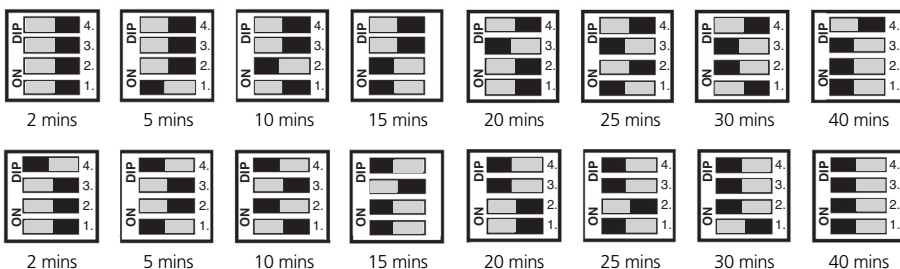
waterproof rating, please use a suitable M20 cable gland with sealing washers. Mount the surface mount box on a secure surface using the mounting pack supplied. Place screw cover seals over the mounting screws. It is essential that the correct IP66 rated connections are made to keep the IP66 rating of the back box.

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

### DIAGRAM 3

Time settings.

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



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