



## INSTALLATION / OPERATING INSTRUCTIONS FOR 24 HOUR MECHANICAL TIME CONTROL TIMER - T103-C

Please read the instructions fully before attempting installation.

### IMPORTANT

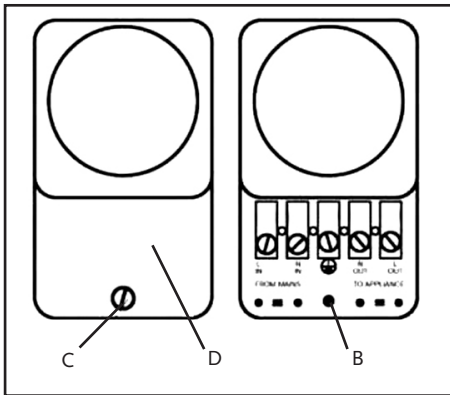
*This unit should be installed to current IEE wiring regulations if in doubt consult a qualified electrician.*

- Timer must not be mounted on a flammable surface.
- Ensure that the timer does not come into contact with any combustible materials such as towels or bedding.
- Ensure at least a 300mm air space is allowed around the timer.

**THIS TIMER SHOULD NOT BE FITTED ONTO A CONDUCTIVE SURFACE (I.E METAL)**

### FIXING THE TIMER TO THE WALL

Drill two 6mm holes 97mm vertically apart in the wall. Insert plastic anchor (supplied) into holes and fit one No.6 screw to top hole leaving a gap under the screw head of approximately 4.75mm. Place the keyhole slot over the screw and slide the timer down; if the timer is loose remove it, tighten the screw and refit the timer. Continue to do this until the timer fits securely against the wall. Remove terminal cover "D" by undoing screw "C". Insert the second No.6 screw into slot "B" and tighten. Your timer is now ready for wiring.



### WIRING THE TIMER

Your Kingshield timer should be wired from a fused spur. We recommend a PowerBreaker H92 RCD model.

**Switch off the mains and isolate the supply by removing the appropriate fuse before starting the installation.**

Prepare cables for connection to the timer, (see Diagram A).

The maximum size cable that can be used with this timer is 2.5mm. If flat twin and earth cable is used the bare earth cable must be fitted with green/yellow sleeving before fitting the earth terminal.

Fit the bare wire ends into the correct terminals (see diagram B). You must ensure that there are no loose strands left out of the terminals.

**Firmly tighten all the screws.**

Using the cable clamps and screws provided and ensuring the cable clamp is fitted the correct way round, tightly secure the cable into position.

Ensure the correct cable cut-outs have been removed in terminal cover "D" and refit terminal cover "D" and tighten screw "C".

**N.B. Check all terminal screws are tight.**

Diagram A

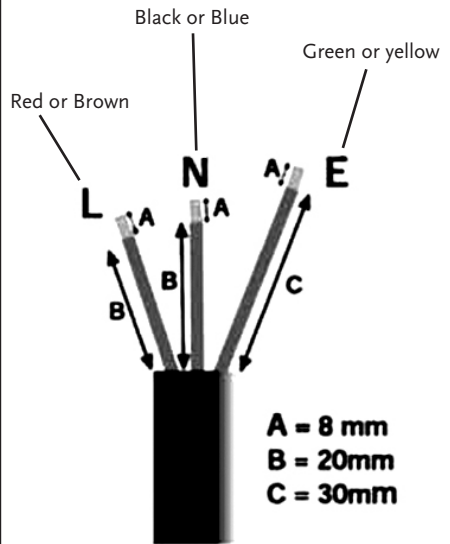
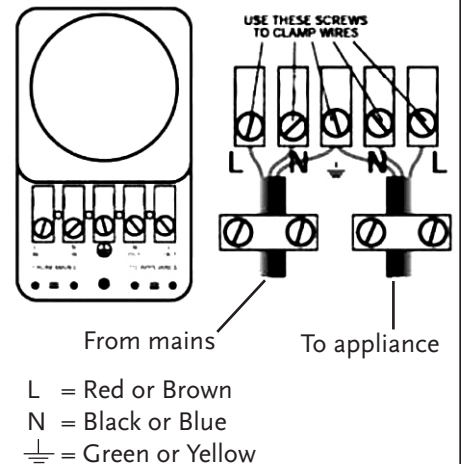


Diagram B



## SETTING THE CLOCK

Turn the dial (by turning with finger and thumb) in the direction of the arrow (clockwise) until the correct time of day is exactly opposite the time set marker ► on the clock face (24 hour clock).

## SETTING THE PROGRAMMES

To set the ON periods push all the sliding segments away from the centre of dial, between your chosen on and off time. The timer will operate during the coloured section now exposed. Each slider represents 15 minutes. The timer will be in the OFF mode when the sliding segments are pushed towards the centre.

When switch is pushed towards:

- I = timer will be permanently ON
- ⌚ = in the centre of the slot. The timer will work to the set programme.

## BATTERY BACKUP

This timer has an internal battery that will operate the clock for 24 hours. The timer needs to charge for 48 hours before battery is fully charged.

## TECHNICAL DATA

Switching Capacity:	230V AC, 16A resistive, 2A Inductive
Battery Backup:	24 Hour (48 hour charge time)

## GUARANTEE

Your KingShield 24 Hour Mechanical Time Control Timer is guaranteed for 12 months from the date of purchase. This does not affect your statutory rights.

### CE INFORMATION

ACTION TYPE: IB

POLLUTION SITUATION: NORMAL

⌚ : MICRO-DISCONNECTION LIVE  
POLE ONLY

**PLEASE KEEP THESE INSTRUCTIONS  
SAFE FOR FUTURE REFERENCE**

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