LAP

Digital Weekly Immersion Timer

Safety Warning:

For your safety, this product must be installed in accordance with local building regulations. If in any doubt, or where required by the law, consult a competent person who is registered with an electrical self-certification scheme. Further information is available online or from your Local Authority.

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 IET regulations (BS 7671). To prevent fire hazard always use cable of the correct rating, size and type for the application.

Any bare earth wires must be covered with appropriate green/yellow sleeving.
Warning do not exceed the load rating of this device as stated on the rear of the product.
If in doubt consult a competent electrician.

Wire Identification:

Note: - as of 1st April 2004, new colour codes for hard wire installations was introduced.

EARTH = Green / Yellow sleeving

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

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

Wall Fixing Instructions:

The timer should be fixed to the wall by three locations. Wall fixing can be carried out before or after wiring. Wall fixings are not included.

General:

Independently mounted control for surface mounting timer; Electronic

This time switch can control outputs of up to 16A which makes it suitable for domestic immersion heaters. There are three fixing points which make it suitable for wall mounting.
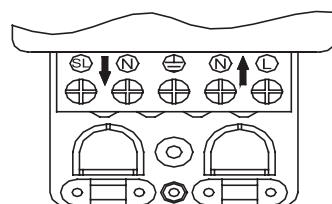
The program functions can be 7 day, weekend or 24 hour depending on function.

Features of automatic action: Type 1. B.S (operating drift not declared, micro-disconnection, resumes intended operating sequence following supply interruption).

Wiring Instructions:

1. Switch off the power to the circuit at the consumer unit before starting any electrical work.
2. Unscrew the fixing screw to remove the cover at the bottom of the timer, exposing the terminals.
3. For bottom cable entry, carefully remove the knockouts with a suitable tool. Ensure that the edge of the knockout is smooth and suitable for the cable.
4. Cut and remove the cable sheathing to suit the timer and terminal positions.
5. Use the cable clamps to secure the cable in position.
6. Insert the bare ends of cable into the terminals as per the diagram as shown. Stranded conductors should be twisted tightly together to prevent them separating with the ends trimmed square. Smaller solid conductors should be doubled over to fill the screw terminal.
7. Fully tighten the terminal screws and make sure that no bare copper is exposed outside of the terminal.
8. Refit the cover.
9. Restore the power to the circuit at the consumer unit.

Instructions of circuit:

↓ = to appliances
↑ = from power
N = neutral
L = live
⏚ = earth

Battery:

This timer has an integrated rechargeable battery to give display operation and memory back up during loss of mains power supply. Before programming for the first time, leave the timer to charge for approximately 14 hours to charge the memory back up battery.

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297 MM

210 MM

Initial Operation:

The timer should be reset before programming for the first time. Press the RST button underneath the display using a pointed object after charging.
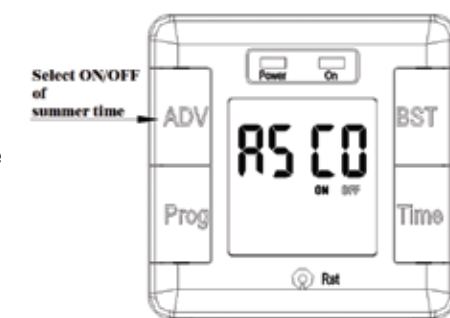
The timer is now ready to be set up.

Use the ADV button to change between on and off for the automatic summer time adjustment and proceed to section 6.

Setting the current time：
Press and hold down the Time button for 3 seconds. The word Hold will show on the screen.

1. After 3 seconds, the screen will show Year. Use the ADV or BST buttons to set the correct year.
2. Press Time button again, the Month will show. Use the ADV or BST button set the correct month
3. Press Time button again, the Day will show. Use the ADV or boost button to set the correct day
4. Press Time button again, the Time will show. Use the ADV or BST button to set the correct hour. The hour is a 24 hour clock.
5. Press Time button again, Use the ADV or BST button to set the correct minute
6. Press Time button again to complete the process
7. The display should now show the correct time/day of the week. If an incorrect value shows, repeat the above steps.

Programming On / Off Times:

Press and hold the Prog button for 3 seconds. Whilst holding, the word Hold will show on the display.

After 3 seconds, enter into the setting mode.

Press ADV or BST to change the day grouping mode. This will step through the following options:

1. 24 hours: repeats the set programme each day.
2. 5 days: repeats the set programme each weekday, followed by a different setting on the weekend.
3. Individual day: a different time setting for each day of the week.

When the desired day grouping is selected, press Prog to move onto programming ON/OFF times.

The display will show Prog 1, with dashes for the hours and minutes.

1. Use ADV or BST to set the hour for the first ON time.
2. Press Prog to change to setting the minutes.
3. Use ADV or BST to set the minutes.
4. Press Prog to change to programme 1 OFF time.
5. Repeat this process for all ON / OFF time periods desired. If times are not required, leave the dashes in place and scroll past that programme.
6. After the last off time for programme has been set, press Prog to exit programme mode.
7. At any stage in programming, if the Prog button is pressed and held for 3 seconds, the timer will return to operating mode.

Boost Function:

One press of the BST boost button will provide power to the appliance for 1 hour after which the output will turn off, making it ideal for immersion heaters.

Two presses will give 2 hours boost. A third press of the boost button will cancel any boost period.

Specifications:

Operating Temperature:	0°C to 40°C	Operating Time:	Continuous
Operating voltage:	220-240V 50Hz	Pollution Degree:	2
Max Load:	16(2) A	Rated Impulse Voltage:	4 kV
Switch type:	16A relay	Temperature of Ball Pressure Test:	Category D
Terminal Capacity:	1.5 – 2.5mm^2 Flexible Cable	Power ON Light:	Yes
Time period:	7 day	Output Light:	Yes

Features:

Easy operation, daily and weekly programmes
Boost feature provides 1 or 2 hour power extension to the connected appliance.
Battery backup retains programmes and dock times during loss of mains.