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SPECIFICATION

Single channel (normally open switching)

16A (2A) volt-free

Minimum switching time 1 minute

Programme capacity 6 ON / 6 OFF

Supply requirement 230V 50Hz

Liquid Crystal Display / 4mm characters

Accuracy +/- 2.5 secs / day

Reserve 100 hours

Manual override

Terminal capacity 2.5mm² maximum

Dimensions 18mm width (1 module), depth (from Din rail)

55mm, height 90mm

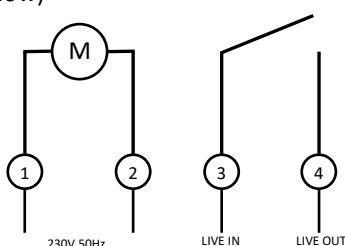
IMPORTANT

This device must be installed by a competent person in accordance with the current IET Wiring Regulations. If in doubt consult a qualified electrician.

- Check that the mains voltage and frequency correspond to the rating label on the timer
- Do not connect a load greater than the rated current carrying capacity
- Do not expose the timer to ambient temperature above 55^oC or below -10^oC. Do not place the timer in direct sunlight.
- Only for use in a dry environment
- Ensure clearance of 0.5 module width from any device generating heat
- If the timer operates a contactor, leave a 1 module space between timer and contactor, and fit surge suppression to prevent spike voltages from the contactor causing erroneous function of the timer.

INSTALLATION

- This timer is for Din-rail mounting only
- Ensure that the correct supply is connected to terminals 1 & 2 (not polarity-conscious)
- Terminals 3 & 4 are volt-free contacts. Supply in (to be switched) connects to terminal 3. Switched live (to load) connects to terminal 4. (see wiring schematic below)



Wiring Schematic

OP-DIN 24 HOUR / 7 DAY Din Rail Digital Timer

OPERATING INSTRUCTIONS

The timer display may be blank if the timer is new or has not been connected to power for some time. After connecting terminals 1 & 2 to mains power the internal rechargeable cell will begin to charge. LCD symbols may appear within 1—2 minutes. Press the 'Reset' button (using a pencil or ballpoint pen)

Caution: pressing Reset will delete all memory settings and the time display. If power is cut for a short time, the internal cell will retain the programme and current time.

SETTING THE TIME AND DAY

1. **Press & hold** the clock button whilst performing steps below.

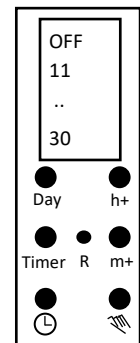
2. Set the current time using h+ and m+ buttons.

Press and hold h+ or m+ to fast-forward the display.

3. Set the current day using the Day button.

4. **Release the clock-symbol button.**

The clock starts to run, indicated by the flashing colon.



FLASHING COLON INDICATES 24 HOUR CLOCK IS RUNNING

SWITCHING TIMES

You can set up to six switch ON commands and six switch OFF commands as follows:

1. Press and release timer button. The clock time will disappear from the display. This TIMER ON view will be displayed in it's place, showing an empty (- -) ON programme space.

TIMER	
ON	MO
- -	TU
..	WE
- -	TH
- -	FR
	SA
	SU

NOTE: Setting hours and minutes: When setting switch on time and switch off time be sure to set minutes as well as hours. E.G. if 08:00 is required, set all digits: 08 and 00, do not leave a double-dash which will prevent the programme from operating.

2. Set the required ON time using h+ and m+ buttons
3. Set the day(s) on which the switching-on command must operate with the Day button. Default selection is every day. See 'Day' button selection overleaf

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4. Press and release Timer button
The ON time just set will be stored in memory, and **Timer OFF** will be displayed.
5. Set the required switch-OFF time using the h+ and m+ buttons.
6. Set the day(s) on which the switch OFF instruction must operate, using the Day button.
7. Press and release the Timer button to store your OFF instruction, and move on to the next ON instruction memory space.
8. Continue to enter ON and OFF instructions following the sequence 2. to 7. above. Once you have completed programming, press the clock button to revert to current time and running mode.

Examples

The switching commands will be carried out every day, even if no day or days were chosen, because the default 7 days are shown in the programme entry.

TIMER							
ON	MO						
08	TU						
..	WE						
30	TH						
	FR						
	SA						
	SU						

The switching commands will be carried out Monday to Friday inclusive, omitting Saturday and Sunday, because the day groups have been changed.

TIMER							
ON	MO						
08	TU						
..	WE						
30	TH						
	FR						

DAY BUTTON SELECTIONS**Every day of the week**

If you do not enter the day when setting a switching command, the switching will be carried out at the set time on every day of the week.

One day of the week

If you enter a particular day while setting a switching command, that command will operate on that day only

Weekly combination (block programming) day groups

Press the Day button repeatedly to view the fixed day groups available:

Monday to Friday

Saturday & Sunday

Monday to Saturday

OP-DIN 24 HOUR / 7 DAY Din Rail Digital Timer

CHECK, CHANGE OR DELETE SWITCHING COMMANDS**Check**

Press and release the Timer button sequentially to view the switching commands in the order they were programmed, alternating ON / OFF programmes will be displayed. Any unused programme spaces will appear with two dashes in place of the time. Viz. - -

Change

When you are viewing a stored programme entry, you can change any of hours, minutes or days if you wish to change that programme. Press and release Timer to store the amended entry.

Delete

Select the programme you wish to delete by pressing the Timer button to view the programme entry, then change hours *and* minutes to two dashes by pressing the h+ and m+ buttons. The hour changes to two dashes after hour 23, the minute changes to two dashes after minute 59. Press and release the Timer button to delete that programme entry. Now delete the corresponding OFF entry in the same manner.

Return to current time

Press the clock symbol button

MANUAL OVERRIDE

In the OFF mode, press and release the 'hand' symbol button to switch the output ON.

Press the hand symbol button again to switch the output back OFF.

If manually overridden to ON, the output will remain ON until the next timed OFF instruction, when the programme will be re-implemented. An override to OFF will remain OFF until the next timed ON instruction.

Please keep these instructions safe for future reference.

