

## PROGRAMMABLE TIME SWITCH - CPT1

### SAFETY

The equipment must be installed, operated and maintained by competent personnel in accordance with the appropriate statutory regulations and codes of practice e.g. the current ELECTRICITY AT WORK REGULATIONS, BRITISH STANDARD REQUIREMENTS FOR ELECTRICAL INSTALLATIONS, etc.

Power sources must be electrically isolated, locked off and labelled during installation and maintenance.

It is the responsibility of the installer to ensure that all electrical connections are tight and that satisfactory earthing has been achieved.

These installation instructions must be handed to the end user.

### GENERAL

#### Programmable time switch function

For domestic and service sector applications, the unit opens and closes one independent circuit according to a user-programmed timetable stored in memory.

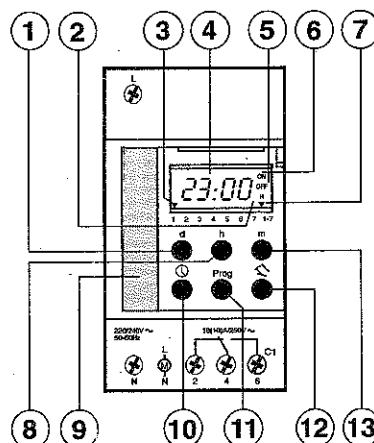
#### Operation

Automatic opening and closing of one circuit according to a user-programmed timetable stored in memory. 6 maximum switchings (3 ON and 3 OFF) are possible per day, which makes 42 switchings per week.

#### Identification

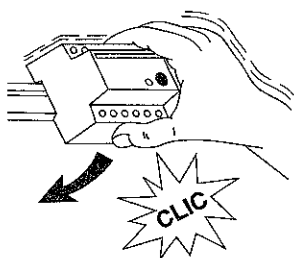
##### Legend:

- 1 - Day button.
- 2 - (ON - OFF) memory step number.
- 3 - Day indicator: 1 = Monday  
2 = Tuesday etc.
- 4 - Time display.
- 5 - Status display for the channel: ON or OFF.
- 6 - Permanent operating mode anticipation (●).
- 7 - 7 days programming indicator (1 → 7).
- 8 - Hours button/holiday program.
- 9 - Notice space.
- 10 - Time display.
- 11 - Timetable scroll and memory entry button.
- 12 - Key for anticipating switching 7 days programming.
- 13 - Minutes button.



### INSTALLATION PROCEDURE

#### Fixing



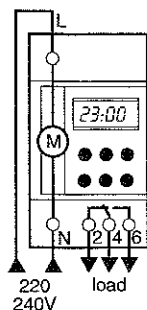
#### Installation recommendations

- to avoid disturbed operation, do not install near magnetic fields.
- if possible, fit the device in the coolest part of the enclosure.
- on disturbed networks, use a separate power supply (if necessary with a filter).

# INSTALLATION / OPERATION INSTRUCTION

## PROGRAMMABLE TIME SWITCH - CPT1

### CONNECTIONS



### TIME SETTING

#### Preparing your programmer

- switch on to recharge the batteries (supplied non-charged)
- clear the program and date / time memory by pressing the following buttons simultaneously for several seconds



#### Setting or resetting the time or day

- press and hold the button and simultaneously press the following buttons either continuously (for continuous advance) or intermittently (for step-by-step advance):

- for the day setting
- for the hour setting
- for the minute setting

#### Resetting for summer or winter time changes

- to reset for summer or winter time changes: press simultaneously = +1 hour = -1 hour
- (for change to summer time) (for change to winter time)

### PROGRAMMING / SETTING

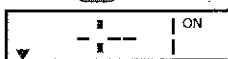
#### Programming

- indicate your desired ON and OFF time settings on the following table

|       | Monday<br>1 2 3 4 5 6 7 | Tuesday<br>1 2 3 4 5 6 7 | Wednesday<br>1 2 3 4 5 6 7 | Thursday<br>1 2 3 4 5 6 7 | Friday<br>1 2 3 4 5 6 7 | Saturday<br>1 2 3 4 5 6 7 | Sunday<br>1 2 3 4 5 6 7 |
|-------|-------------------------|--------------------------|----------------------------|---------------------------|-------------------------|---------------------------|-------------------------|
| 1 ON  |                         |                          |                            |                           |                         |                           |                         |
| 1 OFF |                         |                          |                            |                           |                         |                           |                         |
| 2 ON  |                         |                          |                            |                           |                         |                           |                         |
| 2 OFF |                         |                          |                            |                           |                         |                           |                         |
| 3 ON  |                         |                          |                            |                           |                         |                           |                         |
| 3 OFF |                         |                          |                            |                           |                         |                           |                         |

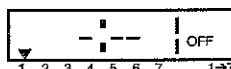
**Caution:** The time switch automatically returns from "programming" mode to "time display" mode if no button is pressed for one minute.

- press to obtain the following display



- the device is now ready for the first ON of monday 1
- enter the desired time by pressing and
- press to store the setting in memory.

You will obtain the following display:

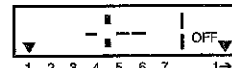


- the device is now ready for the second OFF of monday 1
- enter the desired time by pressing and
- press to store the setting in memory.
- Proceed in the same manner for the other ON and OFF settings for monday and for the other days.

**Note:** for a program with less than 6 time settings per day, or less than 7 days, simply press without entering a time value to scroll through the unused settings.

- block programming: if one or more time settings are found at the same time every day of the week, press the key just after entering the time (the 7-day programming indicator is displayed).

- press .



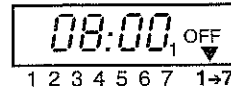
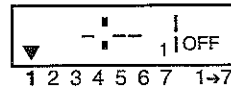
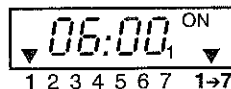
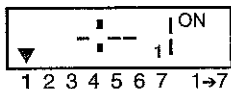
#### Programming the same time setting in the week

- example:

|       | Monday<br>1 2 3 4 5 6 7 | Tuesday<br>1 2 3 4 5 6 7 | Wednesday<br>1 2 3 4 5 6 7 | Thursday<br>1 2 3 4 5 6 7 | Friday<br>1 2 3 4 5 6 7 | Saturday<br>1 2 3 4 5 6 7 | Sunday<br>1 2 3 4 5 6 7 |
|-------|-------------------------|--------------------------|----------------------------|---------------------------|-------------------------|---------------------------|-------------------------|
| A ON  | 6h00                    | 6h00                     | 6h00                       | 6h00                      | 6h00                    | 6h00                      | 6h00                    |
| A OFF | 8h00                    | 8h00                     | 8h00                       | 8h00                      | 8h00                    | 8h00                      | 8h00                    |
| B ON  | 6h00                    | 6h00                     | 6h00                       | 6h00                      | 6h00                    | 6h00                      | -                       |
| B OFF | 8h00                    | 8h00                     | 8h00                       | 8h00                      | 8h00                    | 8h00                      | -                       |

- A programming:

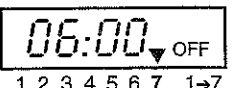
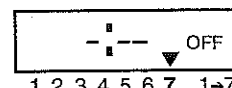
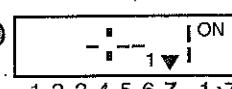
- 1 -
- 2 - Enter the desired time by pressing then
- 3 - then
- 4 - then
- 5 - Enter the desired time by pressing then
- 6 - then
- 7 - then



- B programming with OFF priority when an ON order and an OFF order are programmed at the same time on the same day priority will be given to the OFF order. This procedure is particularly suited to programmes over 5 or 6 days (to be used in combination with block programming).

- 1 - like A
- 2 - like A
- 3 - like A
- 4 - like A

- 5 - x 6
- 6 - then
- 7 - enter the desired time by pressing then
- 8 - then



**Note:**  
This method increases programming possibilities to 42 steps for 7 days = 294 mode change orders per week.



- pressing , the program continues to run normally until the next mode switching times.

the points  ~~$\bullet$~~  should disappear.

- ☐ the manual override control has priority over the holiday override settings.

- power supply: 220/240V ~
- frequency: 50/60Hz.
- output contact rating:
  - 16A/250V ~  $\cos \varphi = 1$
  - 10A/250V ~  $\cos \varphi = 0.6$
- consumption: 7VA.
- time base: quartz.
- memory capacity: 42 programming steps.
- minimum time between 2 time settings: 1 minute.
- time setting accuracy:  $\pm 1$  second / 24 hours at 20°C.
- liquid crystal display.
- battery backup: 6 years (for memory and clock in the event of a power failure but not for mode switching).
- operating temperature range: -10°C to 45°C.
- maximum connection terminal capacity: 6 mm<sup>2</sup>.
- size: five 9 mm width modules.
- weight: 0.150 kg.