**Discover your IHP**

- **Date**
- **Seconds**
- **Day (Day 1 = Monday by default)**
- **Display of output contact state**
- **"menu": selection of operating mode**
- **"-", "+": navigation and parameter setting keys**
- **"ok": flashing information validation key**
- **Reset by pressing simultaneously the 4 keys "-", "+", "menu" and "ok", i.e. F, G and H**

**IHP 1C 18 mm: CCT15854**

**IHP+ 1C 18 mm: CCT15837**

**Configure**

At power up or after performing a Reset (see "Discover" chapter):
- With the "-" and "+" keys.
- Choose the language (French, English, etc.).
- Choose "PROGRAM" to delete or retain the program existing in the product.
- Set the date, year, month, day and time.
- Choose the summer/winter time change parameters.

When this phase is completed, the "NO MAINS" message is displayed; you must programme your IHP.

If you do not agree with the flashing value or word: scroll the display with the "-" and "+" keys.
To confirm the flashing value or word: confirm with "ok".
If you are lost: press "menu" to return to the previous mode without saving the last change.
If you actuate no key during 2 minutes: you are automatically returned to Auto mode without saving.

**Zone**

<table>
<thead>
<tr>
<th>Europe</th>
<th>Summer time</th>
<th>Winter time</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUROPE</td>
<td>Last Sunday of March at 2 am</td>
<td>Last Sunday of October at 3 am</td>
<td></td>
</tr>
<tr>
<td>GB/IRL/</td>
<td>Last Sunday of March at 1 am</td>
<td>Last Sunday of October at 2 am</td>
<td>Great Britain - Portugal</td>
</tr>
<tr>
<td>TR/GB/</td>
<td>Last Sunday of March at 3 am</td>
<td>Last Sunday of October at 4 am</td>
<td>Finland - Greece - Turkey</td>
</tr>
<tr>
<td>CDN</td>
<td>First Sunday of April at 2 am</td>
<td>Last Sunday of October at 3 am</td>
<td>Canada</td>
</tr>
</tbody>
</table>

**FREE RULE**

- According to choice

**FIX DATE**

- According to choice

**NONE**

- -

**Programme your IHP**

The IHP allows you to programme 3 types of controls: switching (On/Off), pulses (CCT15837) and cycles (CCT15837)

To create an operating period: programme On and then Off switching.

The "COPY" function allows you to replicate on the other days the switching, pulse or a cycle currently being created and save memory space (creation of a "block").

Access "PROGRAM" mode by pressing the "menu" key; you then have 5 possibilities:
- **"NEW":** to build the program and enter it in memory.
- **"CHECK":** to view the program.
- **"MODIFY":** to make changes in the program already in memory.
  If the transition selected to be modified is repeated on other days of the week, the product prompts "MODIFY BLOCK"; this function proposes performing modification of all identical transitions (type and time).
- **"DELETE":** to delete all or part of the program (the date, time and choice of language are retained).
  If the transition selected to be deleted is repeated on other days of the week, the product prompts "DELETE BLOCK"; this function proposes performing deletion of all identical transitions (type and time).
- **"END":** to exit "PROGRAM" mode.

**Date / Time**

Modify the time, date, summer/winter time, day of the week, time format or date format.

Press "menu", and access "TIME/DATE" mode via the "+" key:
- Change the time, minutes, and date.
- Choose summer/winter time (see table in the "Configure" chapter).
- Define the first day of the week (e.g. Monday for Europe).
- Modify the date format, "FORM DATE":
  - D / M / Y
  - M / D / Y
  - Y / M / D
- Modify time format, "FORM TIME":
  - display on 24h
  - display on 12h.
Adapt the configuration, "CONFIG"

Press "menu" and access "CONFIG" mode via the "*" key.

In this "CONFIG" mode you can:
- View the counter indicating the operating time of the "OPERATING HOUR" output and, if you want, perform resetting of this counter.
- "OPERATING HOUR":
  - "SHOW HOUR": counter reading
  - "DELETE": counter resetting.
- Define the type of external input, "EXT INPUT" (this choice must correspond to the part cabled on the product) and its operating mode (CCT15837); there are three possible choices:
  - NOT ACTIVE
  - BUTTON
  - SWITCH

When the type has been defined, you must define the operating mode:
- for the button:
  - OVERRIDE: temporary override control until next switching
  - TIMER: one press initiates a time delay for a given period; this time delay can take place in On mode or Off mode at the output level.
- for the switch:
  - Permanent On
  - Permanent Off.

For both options, the switch is open in normal operation and its closing results in an On or an Off at output.

- Modify the "PIN" code (default code 0000):
  - NO PIN
  - WITH PIN.

If you have forgotten the PIN code, see the 9-digit number on the side of the product, and enter the 4 digits in ABCD position: xAxBxCxD Example: No. 123456789: the PIN code is 2468.

- Modify the language, "LANGUAGE".

- Return to the product initialization phase "FACTORY SETTINGS" (Configure chapter 3).

- Access the product reference "INFO".

Programme pulses and cycles (CCT15837)

- Access "PULSE" mode by pressing the "menu" key, "PROGRAM", "ok", "NEW", "ok" access "PULSE" mode with the "*" key.
- Choose "ON" or "OFF" mode.
- Set the time.
- Set the pulse length (PULSE LENGTH).

Access "CYCLE" mode by pressing the "menu" key, "PROGRAM", "ok", "NEW", "ok" access "CYCLE" mode with the "*" key.

- Set the start of cycle time.
- Set the pulse length (PULSE LENGTH).
- Set the pause duration (PAUSE).
- Set the end of cycle time.

Characteristics

- Power consumption: max. 0.4 W.
- Memory: 56 switching operations, 84 (CCT15837).
- Min. time between 2 switching operations: 1 minute.
- Working temperature: -25°C - +55°C (prefer installation in the least hot area of the enclosure).
- Protection class: II in accordance with EN 60730 (product installed in enclosure).
- Degree of protection: IP20 in accordance with EN 60529.
- Operating precision: ± 0.5 s/day at 25°C.
- Power reserve: 10 years (lithium battery).
- Pollution degree: 2.
- Device of 1 BSTU type in accordance with IEC/EN 60730-2-7 or EN 60730-1.

- Connectors:
  - cables, 2 x 0.5 to 2.5 mm²
  - stripping length: 9 mm max.
  - Size (9 mm modules): 2 modules.
  - Weight: 90 g.

This product must be installed, connected and used in compliance with prevailing standards and/or installation regulations.

As standards, specifications and designs develop from time to time, always ask for confirmation of the information given in this publication.

Electronic key (ref. CCT15861)

- For easier programming of your IHP you have an electronic key, supplied with the IHP CCT15837, optional for the IHP CCT15854.

Before inserting your electronic key, place the product in "Auto" mode.

Insert your electronic key in its slot 2, and a specific menu appears:
- "COPY KEY → TSWI": to copy the program from the key to your IHP.
- "COPY TSWI ← KEY": to copy the program from the IHP to the key.
- "RUN KEY": to have the IHP operate with the programming stored in the key's memory, without program transfer.
- "CHECK KEY": to read the content of the electronic key, each programming step is then displayed by pressing the "*" key; a press on "ok" takes you back to the main menu.
- "END": to remove the key.

A key programming kit (ref. CCT15860) comprising a PC/Key interface, a cord, a key and a programming software allows you to programme your key directly from a PC.

Load table

- Acceptable output contact power:
  - Resistive loads:
    - I max = 16 A - 250 V AC (cos ø = 1),
    - I min = 10 mA - 230 V AC, 100 mA - 12 V AC/DC
  - Motors: 1000 W.

- Size (9 mm modules): 2 modules.

- Pollutio