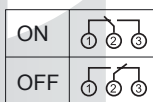


IHP 1C 18 mm:
15854IHP+1C 18 mm:
15837

Schneider Electric

New IHP features

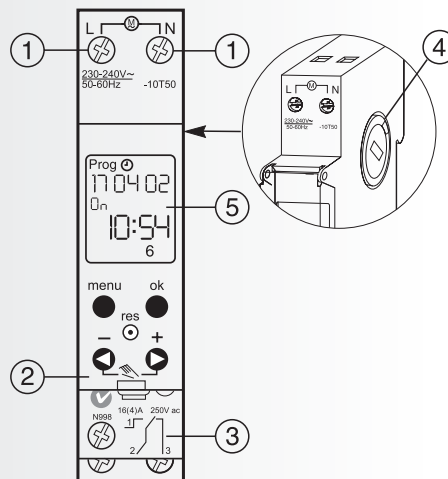
- ① Power supply 230 V \pm 10 %, 50...60 Hz
- ② Sealed pivoting cover
- ③ Output contact:



- ④ Battery housing.

⚠ The battery, delivered with the product, must be inserted before energising for the first time. It must be installed with power off and by a qualified professional.

- ⑤ Screen (Back-lit screen 15837)




New features on the display and the 4 keys of your IHP

Once you have chosen the language and reset the time, your IHP indicates:

- ① Date
- ② Time
- ③ Day ("1" for monday, "2" for tuesday, etc.)
- ④ Output contact status display
- ⑤ Operating mode:




Prog: programming, verification, modification and deletion

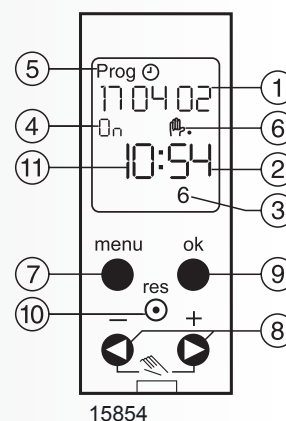
⌚: modification of time and choice of automatic "summer time - winter time" switching date

Man: programming the functions "random"  and "holiday"  (15837)

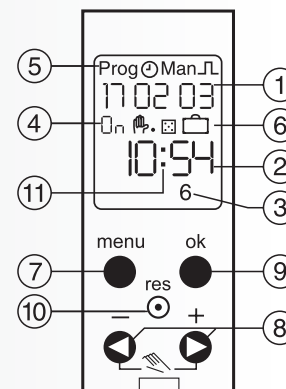
⏏: programming pulses (15837)

In automatic mode, only the date, time, day and status of the output contact are displayed.

- ⑥ Indication of "ON override" , "random"  and "holiday"  operation (15837)
 - ⑦ Selection of "menu" operating modes
 - ⑧ Value setting and navigation keys "-" and "+"
 - ⑨ Flashing information validation key "ok"
 - ⑩ "res" (reset): deletion of program, date, time and choice of language.
 - ⑪ Viewing operation on mains ":" or battery ":".
- Back-lighting is available only when the device operates on the mains (15837).
In event of a mains outage exceeding 15 minutes, the product will move to standby (display de-activated).
The display is re-activated on resumption of mains supply or by pressing a key.



15854



15837

Program your IHP

- An IHP lets you program 2 types of switching operation, namely:
 - ON switching operations
 - OFF switching operations.

To create an operating period, program an ON switching, followed by an OFF switching.

Use the "REPEAT" function to program the same time ranges over several days and save program steps (validate by "ok", move to the next day using the "+" key or return to the previous day using the "-" key).

- Access the "Prog" mode by pressing the "menu" key. The "Prog" mode offers 5 options:
 - "NEW PROG" to build the program and store it in the memory
 - "CHECK" to display the program
 - "MODIFY" to update the program already memorised
 - "CLEAR" to delete part or all of the program (the date, time and choice of language are preserved)
 - "END" to leave the "Prog" mode and return to automatic mode.









If you do not agree with the flashing word or value: scroll down the display using the "+" and "-" keys

If you agree with the flashing word or value: validate with "ok"



If you are lost, press "menu" to return to the automatic mode without saving the changes

If you do not activate a key for 2 minutes, you will return to the automatic mode without saving the changes.

Move to the temporary or permanent ON/OFF override mode .

- **Activate temporary ON or OFF override mode** (until the next switching operation) by simultaneously holding down the 2 keys for less than 2 s   :
 - the output contact changes status.
 - the IHP indicates by "ON TEMP  or "OFF TEMP  the new output contact status.
 Return to the automatic mode by holding down these 2 keys for less than 2 s.
- **Move to the permanent ON/OFF override mode** by simultaneously holding down the 2 keys for more than 2 s   :
 - each time the keys are pressed for more than 2 seconds, the output contact changes status.
 - the IHP indicates "ON PERM  or "OFF PERM  the new output contact status.
 Return to the automatic mode by holding down these 2 keys for less than 2 s.

Activate or de-activate the "random " mode Move to the "holiday " mode (15837)

- The "random  mode is used to simulate presence during periods programmed in ON
- The "holiday  mode is used to temporarily cancel programming of ON periods by configuring the 2 dates corresponding to start and end of the holiday period
- Access the "Man" mode by pressing the "Menu" key: choose using the "+" and "-" keys:
 - "RANDOM" to activate the mode or "CLEAR" to de-activate the mode
 - "HOLIDAY" to enter the OFF period (by specifying the holiday start and end dates).



Load table

- Acceptable power per output contact:
 - resistive loads: I max. = 16 A - 250 V, I min. = 100 mA - 12 V \simeq
 - motors: 1100 W.

Type of lighting	Puissance max. par contact
resistive load	16 A
power factor = 0.6	4 A
incandescent lamp (230 V)	1000 W
halogen lamp (230 V)	1000 W
series uncorrected/corrected fluorescent tube	6 x 58 W, 8 x 36 W, 10 x 18 W
parallel corrected fluorescent tube with conventional ballast	2 x 58 W (7 μ F), 3 x 36 W (6 μ F), 4 x 18 W (4,5 μ F)
dual-mounted fluorescent tube	3 x (2 x 58 W), 4 x (2 x 36 W), 5 x (2 x 18 W)
fluorescent tube with electronic ballast	2 x 58 W, 3 x 36 W, 4 x 18 W
dual-mounted fluorescent tube with electronic ballast	1 x (2 x 58 W), 1 x (2 x 36 W), 2 x (2 x 18 W)
fluo-compact lamp with electronic ballast	7 x 7 W, 6 x 11 W, 5 x 15 W, 5 x 20 W, 5 x 23 W


For the other applications, relay by CT contactor.

Modify date and time Choose or check your automatic summer time/winter time switching

- **Modify date and time:**
 - access the " mode by pressing the "menu" key.
 - **choose or check your automatic summer time/winter time switching:**
 - access the " mode by pressing the "menu" key.
 - validate time reset by "ok" until "SUM/WIN" is displayed in flashing mode
 - validate with "ok"
 - choose using the "+" and "-" keys:
 - "no SU/WI": no automatic switching.
 - "with S/W": automatic change according to the geographical area chosen
 - Validate with "ok".

Zone	Summer time	Winter time	Comments
EUROPE	Last Sunday of March at 2 am	Last Sunday of October at 3 am	
GB/P	Last Sunday of March at 1 am	Last Sunday of October at 2 am	Great Britain - Portugal
SF/GR/TR	Last Sunday of March at 3 am	Last Sunday of October at 4 am	Finland - Greece Turkey
USA-CAN	First Sunday of April at 2 am	Last Sunday of October at 3 am	USA - Canada
FREE	As per choice	As per choice	Choice of month, week and hour (between 1 am and 4 am)

Program "pulses " (15837)

- Access the " mode by pressing the "Menu" key
- Configure the duration of the pulse from 01 to 59 s
- Program the tripping of the pulse in the same way as a switching operation (See chapter 3).

Characteristics

- Consumption: 2.5 VA max., 3 VA (15837)
- Memory: 28 switching operations, 42 (15837)
- Minimum time between 2 switching operations: 1 minute
- Operating temperature: -10 °C ... +50 °C (prefer installation in the coolest part of the enclosure)
- Class II as per EN 60730 (product installed in enclosure)
- Protection index: IP20 as per EN 60529,
- Device of 1 B STU type as per EN 60730
- Connection terminals:
 - max. capacity: 6 mm², 2 x 1.5 mm² (15837)
 - recommended screwdriver: Posidriv 1 or flat 0.8 x 4 mm
- Overall dimensions (9 mm pitch): 2 pitches
- Weight: 90 g.
- Program and time saved by replaceable lithium battery:
 - lifetime: 5 years
 - autonomy: 3 years cumulated mains outage
 - battery reference: CR2032.



The battery must be replaced with power off and by a qualified professional.