Cat. no.: 15720 - 15721
15722 - 15723 en
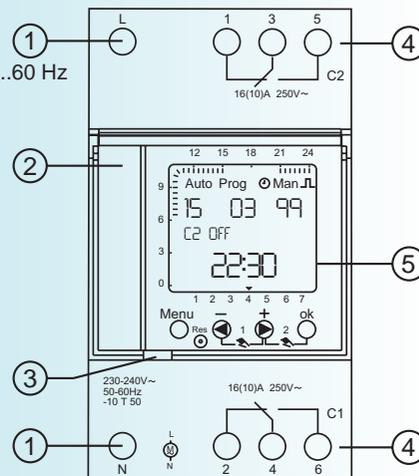
IHP

☑ MERLIN GERIN

GROUPE SCHNEIDER

New IHP features

① Power supply 230 V ±10 %, 50...60 Hz

② Leaflet holder slot

③ Sealed pivoting cover

④ Output contact:

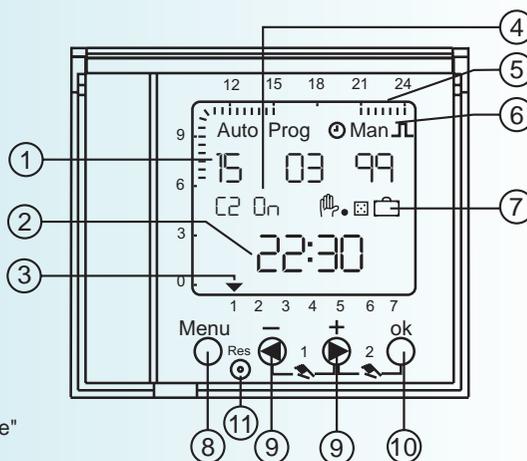|	C1	C2
ON	② ④ ⑥	① ③ ⑤
OFF	② ④ ⑥	① ③ ⑤

⑤ Screen (back-lit for catalogue numbers 15721 and 15723).

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: displays operation on mains "**:**" or battery "**:**"

③ Day (1: Monday, 2: Tuesday, etc.)

④ Output contact status display
(Channel 1/Channel 2 in turn for catalogue numbers 15722 and 15723)

⑤ Display of "**On**" periods by 30-minute segment
(e.g. displayed: 6ʰ30 to 15ʰ and 21ʰ to 24ʰ for channel 2)

⑥ Operating mode:
Auto: automatic operation according to the memorised program
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 ⬚ "
(for catalogue numbers 15721 and 15723)
⎍ : programming pulses for catalogue numbers 15721 and 15723

⑦ Indication of "ON override ✋•", and for catalogue numbers 15721 and 15723 of "random ⬚ " and "holiday ⬚ " operation

⑧ Selection of operating modes

⑨ Value setting and navigation key

⑩ Flashing information validation key

⑪ Reinitialisation key: deletion of program, date, time and choice of language.

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.
The "REPEAT" function is used to copy to other days the switching operation currently being created and thus to increase the number of possible switching operations (validate with "**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 the "**Auto**" 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 "**Auto**" mode without saving
If you activate no key for a 2-minute period: automatic return to the "**Auto**" mode without saving.

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

■ **Activate the temporary ON or OFF mode** (until the next switching operation) by simultaneously pressing the following 2 keys briefly (< 2 s):

□ ⊟⊕ₒₖ for channel 1
□ ⊕ₒₖ◯ for channel 2
□ The output contact changes status
□ The IHP indicates by "**OVERRIDE** ✋" the new output contact status
Return to the "**Auto**" mode by briefly pressing (< 2 s) these 2 keys

■ **Move to the permanent ON or OFF mode** by simultaneously pressing the following 2 keys for more than 2 seconds:

□ ⊟⊕ₒₖ for channel 1
□ ⊕ₒₖ◯ for channel 2
□ Each time the keys are pressed for more than 2 seconds, the output contact changes status
□ The IHP indicates by "**PERM ON** ✋." or "**PERM OFF** ✋." the new output contact status
Return to the "**Auto**" mode by briefly pressing (< 2 s) these 2 keys.

Activate or de-activate the "random ▣" mode Move to the "holiday ⌂" mode

■ Only the IHP catalogue numbers 15721 and 15723 are concerned

■ 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 your channel
□ 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).

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**": choose the geographical area (EUROPE, GB, USA) or the switching months and weeks (FREE)
□ Validate with "**ok**".

Program "pulses ⊓⌐"

■ Only the IHP catalogue numbers 15721 and 15723 are concerned

■ Access the "⊓⌐" mode by pressing the "**Menu**" key

■ Choose your channel

■ 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.

Load table

■ Acceptable power per output contact:
□ resistive loads: I max. = 16 A - 250 V∿, I min. = 100 mA - 12 V⎓∿
□ motors: 2300 VA

Type of lighting	Max. power per contact
resistive load	16 A
power factor = 0.6	10 A
incandescent lamp (230 V)	2300 W
halogen lamp (230 V)	2300 W
series uncorrected/corrected fluorescent tube	26 x 36 W, 20 x 58 W, 10 x 100 W
parallel corrected fluorescent tube with conventional ballast	10 x 36 W (4.7 µF), 6 x 58 W (7 µF), 2 x 100 W (18 µF)
dual-mounted fluorescent tube	10 x (2 x 58 W), 5 x (2 x 100 W)
fluorescent tube with electronic ballast	9 x 36 W, 6 x 58 W
dual-mounted fluorescent tube with electronic ballast	5 x (2 x 36 W), 3 x (2 x 58 W)
fluo-compact lamp with electronic ballast	9 x 7 W, 7 x 11 W, 7 x 15 W, 7 x 20 W
parallel corrected HQL fluorescent balloon	1 x 250 W (30 µF)
parallel corrected sodium vapour lamp	1 x 250 W (37 µF)

For the other applications, relay by CT contactor.

Characteristics

■ Consumption: 6 VA max.
■ Memory: 42 switching operations except for catalogue number 15720: 28 switching operations
■ Minimum time between 2 switching operations: 1 minute
■ Saving the program and time by lithium battery:
□ lifetime: 12 years except for catalogue number 15720: 5 years
□ Backup time: 5 years cumulated mains failure except for cat. no. 15720: 3 years
■ 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: IP 20 as per EN 60529
■ Device of 1 B STU type as per EN 60730
■ Connection terminals:
□ Max. capacity: 6 mm^2
□ Recommended screwdriver: flat posidrive 1, 0.8x4mm
■ Overall dimensions (9 mm pitch): 5 pitches
■ Weight: 190 g.

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