

> The intuitive switches

With 4 keys and a display, they operate on a weekly cycle: the same program is repeated week after week.



> The multifunctional switches

They operate with weekly or annual time programming distributed across 1, 2, 3 or 4 channels. 6 inputs to condition the functions.



> The mechanical switches

They operate on an hourly, daily or weekly cycle: the same program is repeated hour after hour (IH 60 min), day after day (IH 24 h) or week after week (IH 7 j).



Simple and intuitive use

Time-savings with intuitive programming

- Only 4 keys.
- Choice of language and guiding in the menus to create, check, modify or partially or totally delete the program.
- Time updating and changeover to winter/summer time:
 - automatic: selected when programming the changeover date (according to geographic area),
 - manually by the user,
 - without modification of programs.



Unique programming legibility

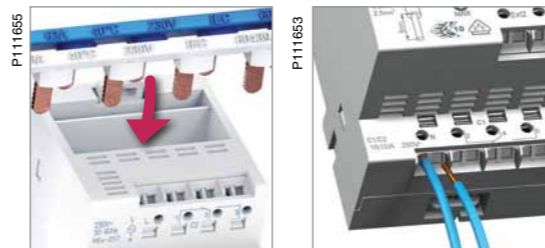
Large screen for display of:

- Hour, minutes and day of the week.
- Current operating mode.
- Channel switching status ("On", "Off").
- Control mode (automatic, override, permanent, holiday or random for the + version).
- Operation on mains or battery.



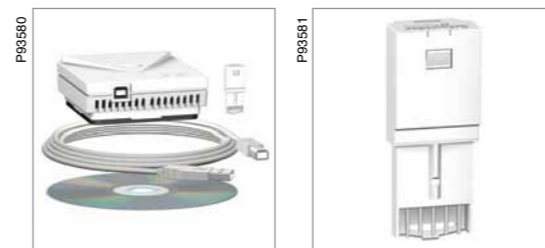
Simplified installation

- Mechanical compatibility with electrical distribution busbar.
- Direct connection of loads up to 16 A under 250 V.
- Fast connection; 2 screw-less terminals per pole for cables up to 2.5 mm².
- Installation leaflet always available in the device thanks to the built-in leaflet holder slot.
- Swivel, sealable cover.



Simplified use

- Backlit display.
- Saving and duplicating of programs with memory key.
- Programming with a programming kit for PC.
- Control of the time switch away from the panelboard via external inputs.



Programming kit for PC

Memory key



Advanced features of **45 mm intuitive switches**

Time switches

Efficiency at your fingertips!



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Efficiency at your fingertips!

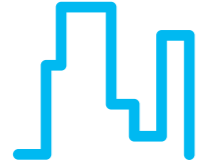
Time switches are used to accurately and automatically program the operation of heating, lighting, ventilation, access control, bells, roller blinds, etc.



Bell management in schools



Heating and ventilation management in buildings



Access management in buildings



Residential lighting management

Energy savings



Time switches start and stop various types of electric loads according to user-set programs. To reduce cost, the user can decide to automatically switch loads on only during low-rate periods. The programmed switching on/off of loads provides energy savings compared to operations without a time switch, in which the loads would be on permanently.

Easy installation

All the products can be installed easily on a DIN rail in a panelboard. Some "Intuitive switches" offer screw-less terminals and compatibility with electrical distribution comb busbars.

Convenient use

The programs are defined according to the user needs. On most of the products, the automatic operation can be easily adapted, for temporary or permanent operations. On some "Intuitive switches" this can be done without going to the panelboard, by connecting switches or push-buttons to the product external input.

Increased security

Simulation of presence with random operating mode is proposed in IHP'+ versions.

Choice table

The time switches control opening and closing of one or more separate circuits according to a programming pre-set by the user:

- by memorisation of On and Off switching operations for the IHP switches,
- by positioning of jumpers or captive segments on a programming dial for the mechanical IH switches.

An IHP or IH time switch is chosen according to the following criteria:

Designation	Number of channels	Cycle period (d: day)	Minimum time between 2 switching operations	Number of switching operations	Saving on mains cut off	Width (modules of 9 mm)	Override controls On / Off	Output contact changeover switch (cos φ =1)	Time changeover (summer / winter)	Back-lit display, random function and pulse programming ⁽⁸⁾	"Absence for holidays" function	Screwless connection	Mechanical compatibility with electrical distribution comb busbars	Input for external control	Instruction manual holder on front face	Memory key supplied with the product	Cat. no.
The 45 mm intuitive switches																	
IHP 1c	1	24 h and/or 7 d	1 min.	56	6 years	5	On / Off	16 A	Auto		•	•	•		•		CCT15400 ⁽⁹⁾ , CCT15420 ⁽¹⁰⁾ , CCT15450 ⁽¹¹⁾ , CCT15720 ⁽¹²⁾ , CCT15850 ⁽¹³⁾
IHP + 1c	1	24 h and/or 7 d	1 s	84	6 years	5	On / Off	16 A	Auto	•	•	•	•	1 input	•	•	CCT15401 ⁽⁹⁾ , CCT15421 ⁽¹⁰⁾ , CCT15451 ⁽¹¹⁾ , CCT15721 ⁽¹²⁾ , CCT15851 ⁽¹³⁾
IHP 2c	2	24 h and/or 7 d	1 min.	56	6 years	5	On / Off	16 A	Auto		•	•	•		•		CCT15402 ⁽⁹⁾ , CCT15422 ⁽¹⁰⁾ , CCT15452 ⁽¹¹⁾ , CCT15722 ⁽¹²⁾ , CCT15852 ⁽¹³⁾
IHP + 2c	2	24 h and/or 7 d	1 s	84	6 years	5	On / Off	16 A	Auto	•	•	•	•	2 inputs	•	•	CCT15403 ⁽⁹⁾ , CCT15423 ⁽¹⁰⁾ , CCT15453 ⁽¹¹⁾ , CCT15723 ⁽¹²⁾ , CCT15853 ⁽¹³⁾
IHP DCF 1c ⁽¹⁾	1	24 h and/or 7 d	1 s	42	4 years	5	On / Off	16 A	Auto	Random function	•				•		15857
The 18 mm intuitive switches																	
IHP 1c 18 mm	1	24 h and/or 7 d	1 min.	56	10 years	2	On / Off	16 A	Auto		•	•					CCT15854 ⁽¹⁴⁾
IHP + 1c 18 mm	1	24 h and/or 7 d	1 min.	84	10 years	2	On / Off	16 A	Auto	Random function	•	•		•		•	CCT15837 ⁽¹⁴⁾
The multifunctional switch																	
ITM 4C-6E ⁽²⁾	4	60 min., 24 h, 7 d, 7 d + dated d	1 s	⁽³⁾	5 years	10	On/Off ⁽⁵⁾	10 A	Auto	Pulse function		•			•	•	15270
The 54 mm mechanical switches																	
IH 60mn 1c SRM	1	60 min.	37.5 s	48 On - 48 Off	none	6	On	10 A	Manual			•					CCT15338
IH 24h 1c SRM	1	24 h	15 min.	48 On - 48 Off	none	6	On	16 A	Manual			•					CCT16364
IH 24h 1c ARM	1	24 h	15 min.	48 On - 48 Off	200 h ⁽⁴⁾	6	On	16 A	Manual			•					CCT15365
IH 24h 2c ARM	2	24 h	30 min.	24 On - 24 Off	150 h	6	On	16 A	Manual								15337
IH 7j 1c ARM	1	7 days	2 h	42 On - 42 Off	200 h ⁽⁴⁾	6	On	16 A	Manual			•					CCT15367
IH 24h + 7j 1+1c ARM	1+1	24 h + 7 days	45 min. + 12 h	16 On - 16 Off + 7 On - 7 Off	150 h	6	On	16 A	Manual								15366
The 18 mm mechanical switches																	
IHH 7j 1c ARM	1	7 days	2 h	42 On - 42 Off	100 h	2	On / Off	16 A	Manual								15331
IH 24h 1c ARM	1	24 h	15 min.	48 On - 48 Off	100 h	2	On / Off	16 A	Manual								15336
IH 24h 1c SRM	1	24 h	15 min.	48 On - 48 Off	none	2	On / Off	16 A	Manual								15335
Accessories																	
Programming kit ⁽⁶⁾																	CCT15860
Memory key ⁽⁶⁾																	CCT15861
Memory cartridge ⁽⁷⁾																	15280
ANT DCF antenna																	15858

(1) The IHP DCF is synchronised on the Frankfurt's DCF77 radio station via the ANT DCF antenna.

(2) 4 output channels and 6 condition inputs.

(3) 45 time brackets in weekly time programming, 15 time brackets in annual time programming, 20 different pulses in pulse programming.

(4) 110 h for 100 V CA supply voltage.

(5) On/Off via an override input or a condition input.

(6) For IHP + 1c and IHP + 2c.

(7) For ITM 4c-6E.

(8) Pulse programming allows switching operations of a duration less than one minute (adjustable from 1 to 59 s); a pulse control always has priority.

(9) English, Russian, Ukrainian, Latvian, Lituaniien, Estonian languages.

(10) English, Bulgarian, Greek, Slovene, Serbian, Croatian languages.

(11) English, Hungarian, Polish, Romanian, Czech, Slovak languages.

(12) French, English, Italian, Spanish, German, Portuguese languages.

(13) French, English, Swedish, Dutch, Finnish, Norwegian/Danish languages.

(14) French, English, Italian, Spanish, German, Portuguese, Dutch languages.

