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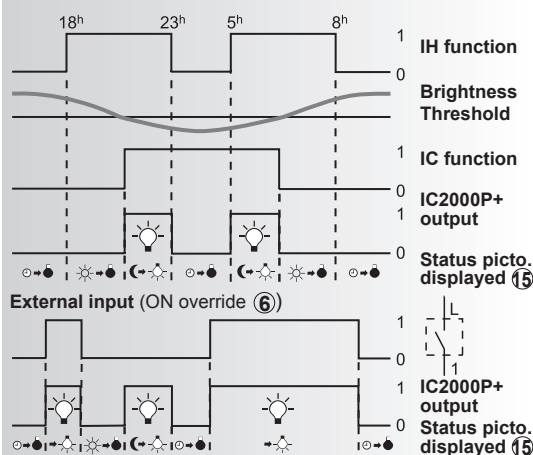
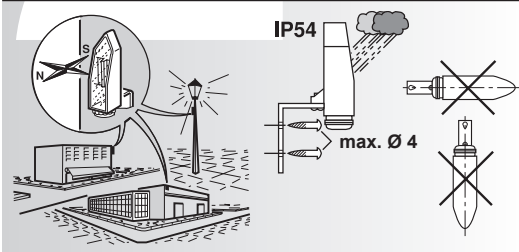
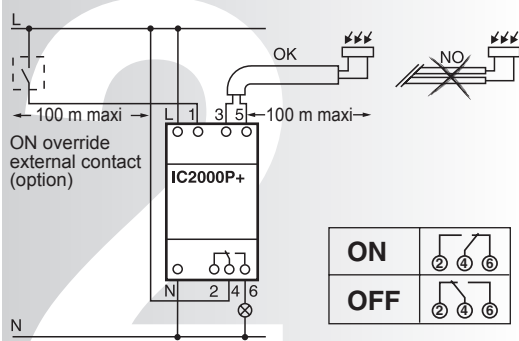
**IC2000P+: 15483**



**Programmable Light Sensitive Switch (2-2100 lux) and wall-mounted cell**



**Cable**



The pictograms "☀️➔🌑", "(☀️➔🌑)" flash during the time delay phase (switch-on and switch-off).

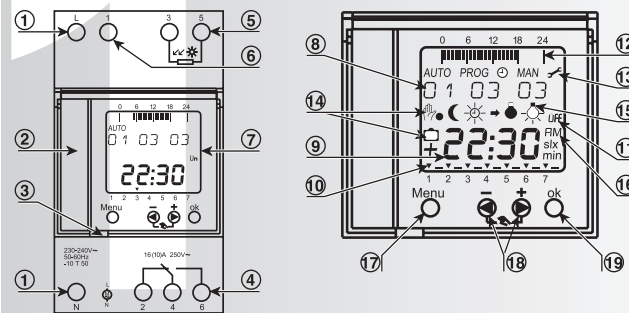
**Program "PROG"**

Access the "PROG" mode by pressing the "Menu" key; the "PROG" mode is used to manage the IH time programs of your IC2000P+, by means of five options:

- "NEW" to define a new program (if the "EMPTYPROG" program has been chosen in the "Configure" phase), or add ACTIVE, INACTIVE commands to the two other pre-set time programs: "DAYPROG" and "NIGHTPROG":
  - "SAVE": to save the new switching operation
  - "COPY": to repeat this switching operation for the other days of the week
- "CHECK" to view the programs
- "MODIFY" to change the program already memorised
- "CLEAR" to delete the program partially or totally (the date, time and language are kept):
  - "SINGLE" deletes programming of the chosen switching operations
  - "ALL OFF" deletes the programming of all the days of the week
- "FINISH" to leave the "PROG" mode and return to the "AUTO" mode.

**New features**

The IC2000P+ controls lighting according to brightness AND the time of the day. IF brightness is less than the set threshold (light sensitive function: IC) AND IF the time program allows relay closing (time function: IH), THEN the lighting circuit is activated.



- ① Power supply 230 V AC +10%, -15%, 50/60 Hz
- ② Leaflet holder slot
- ③ Sealed swivel cover
- ④ Output contact
- ⑤ Brightness sensor
- ⑥ ON override external command input
- ⑦ Back-lit LCD screen
- ⑧ ⑨ ⑩ Date; Time; Day 1 = Monday, Day 2 = Tuesday, etc.
- ⑪ Output contact status (On, Off)
- ⑫ Viewing ON periods by 1<sup>h</sup> segment
- ⑬ Operating mode: "AUTO", "PROG": programming, "(↻)": time resetting, "MAN": "HOLIDAY" programming, "☀️": adapt configuration
- ⑭ Operation indication "☀️." ON override, "🏠" holidays
- ⑮ Programming help and status pictogram: "☀️➔🌑" lighting, "☀️➔🌑" switch-off, "☀️➔🌑" programmed switch-off,
- ⑯ "AM" morning, "PM" afternoon, "s" seconds, "lx" lux, "min" minutes
- ⑰ "Menu" Selection of operating modes
- ⑱ "-", "+" Value setting and navigation keys
- ⑲ "ok" Flashing information validation key. To reset, press simultaneously on the 3 keys "-", "menu" and "ok", i.e. ⑰, ⑱ (-) and ⑲.

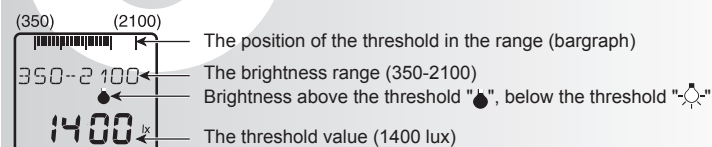
**Configure**

- On energisation or after having reset (see the New Features chapter):
  - Select the language (FRANÇAIS, ENGLISH, etc.)
  - Set the year, month, day and time
  - Choose between three pre-set time programs in your IC2000P+:
    - "DAYPROG": ON time programming from 7<sup>h</sup> to 20<sup>h</sup> → validation of the IC function from 7<sup>h</sup> to 20<sup>h</sup>
    - "NIGHTPROG": ON time programming from 5<sup>h</sup> to 8<sup>h</sup> and from 18<sup>h</sup> to 23<sup>h</sup> → validation of the IC function on these two operating periods
    - "EMPTYPROG": OFF time programming the entire day → no validation of the IC function.

These programs can be modified by going to the program menu when the configuration phase is finished (modification of times, operating periods, etc.)

- Set your brightness threshold using the "+" and "-" keys, either starting from the previously entered value, or from the measured value (2 lux if there is no mains supply or sensor).

The following information can be read on the display:



- Validate your choice by pressing "ok". Once this phase is over, your IC2000P+ moves to the "AUTO" mode and operates with the items defined above (time program and threshold).

If you do not agree with the flashing word or value: scroll down the display using the "-" and "+" keys.  
 To confirm the flashing word or value: validate using "ok".  
 If you are lost: press "Menu" to return to the "AUTO" mode without saving the last change.  
 If you press no key for 2 minutes: return is automatic to the "AUTO" mode without saving.

## Summer-winter time "☀"

Modify the time, date, summer/winter time:

- Press "Menu", access the mode "☀" via key "+"
- Change the time and date
- Choose summer/winter time:
  - "WOUT S/W": no automatic change
  - "WITH S/W": automatic change according to the chosen zone:

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

## Adapt the configuration "⚙"

In this mode you can:

1- **Modify the brightness threshold** of the light sensitive function (IC), setting from 2 to 2100 lux.

To guide you, setting is divided into three ranges:

- dark: 2 to 50 lux
- overcast: 60 to 300 lux
- light: 350 to 2100 lux

2- **Set the time delay** on switch-on and switch-off, from 20 to 140 sec. (default setting at 80 sec.). These time delays are used to filter parasitic transient phenomena, for example lighting of a car at night (switch-off time delay), etc.

3- **Change the program**: return to the 3 pre-set programs: day, night and empty.

4- **Modify the language**

5- **Modify the time format**

6- **Modify the date format**

■ **To perform one of these operations you must:**

- Press "Menu", access the mode "⚙" via key "+"
- "LUX VALUE": to adjust the brightness threshold
- "DELAY": to set the time delays:
  - "LIGHT ON": switch-on time delay
  - "LIGHT OFF": switch-off time delay
- "PROGSTART": to choose one of the pre-set programs in the product
- "LANGUAGE": to choose the language
- "24h/12h": to modify time display over 24h or 12h
- "DATEFORM": to modify date display D/M/Y, M/D/Y or Y/M/D.

## Load table

■ Output contact permissible power:

- resistive loads: **I max. = 16 A** - 250 V~, **I min = 100 mA** - 12 V~
- motors: **2300 VA**.

Lighting type/load	Max power
Resistive load (cos φ = 1)	16 A
Inductive load (cos φ = 0.6)	10 A
Incandescent lamp 230 V	2300 W
Halogen lamp 230 V	2300 W
Fluorescent tube	2300 VA
Parallel compensated fluorescent tube, max. 400 W (42 μF)	8 x 40 W (4,7 μF), 6 x 58 W (7 μF), 2 x 100 W (18 μF)
Compact fluorescent lamp (CFL), max. 90 W	12 x 7 W, 8 x 11 W, 4 x 20 W
Parallel-corrected mercury vapour lamps	1 x 250 W (30 μF)
Parallel-corrected sodium vapour lamps	1 x 250 W (37 μF)
LED up to 2 W	20 W
LED between 2 W and 8 W	50 W

For other applications, relay using a CT contactor.

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**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.

## "MAN" holidays

Move to the holiday mode "☑" :

- Press "Menu", access the "MAN" mode via the "+" key
- The "☑" mode temporarily cancels **On** periods by configuring the dates and times of start and end of absence.

## ON - OFF override "☑"

■ **Activate temporary ON or OFF** (up to the next switching operation) by pressing for less than 2 sec. simultaneously the 2 keys "☑ ☑":

- the output contact changes status
- The IC2000P+ indicates by "MAN ON ☑" or "MAN OFF ☑" the new status of the output contact
- Return to automatic mode by pressing less than 2 sec. these 2 keys

■ **Move to permanent ON or OFF** by pressing more than 2 sec. simultaneously the 2 keys "☑ ☑":

- each time you press for more than 2 sec., the output contact changes status
- The IC2000P+ indicates by "PERM ON ☑" or "PERM OFF ☑" the new status of the output contact
- Return to automatic mode by pressing less than 2 sec. these 2 keys.

**The IC2000P+ also allows override external control of lighting by NO contact, cabled to terminal ⑥ (external override takes priority over the product ON-OFF override function).**

## Technical data

- Consumption: max 1.7 W
- Back-lighting: activate by pressing a key, switch-off after 5 min
- Lux threshold: 2 to 2100 lx:
  - range 1: 2 to 50 lx
  - range 2: 60 to 300 lx
  - range 3: 350 to 2100 lx
- Time delay: separate setting between 20 sec. and 140 sec. (80 sec. by default)
- Contact: potential free
- Time base: quartz
- Operating accuracy:  $\leq \pm 1$  sec. / day at 20°C
- Number of switching operations: 42
- Min switching: 1 minute
- Switching accuracy: 1 second
- Operating reserve: lithium battery; 5-6 years
- Ambient temperature: -20°C...+50°C
- Insulation class: II as per EN 60730-1 in installed status
- Degree of protection: IP20 as per EN 60529
- RS type 1B as per EN 60730-1
- Connection terminals:
  - max capacity: 6 mm<sup>2</sup>
  - Pozidriv 1 or flat 0.8 x 4 mm
- Overall dimensions: 5 modules of 9 mm
- Weight: 180 g
- **Cell**
  - Photoresistance, 2-wire cable, 100 m max do not install parallel to mains cables
  - IP54, IK05
  - Operating temperature: -40°C...+70°C
- **External input**
  - Voltage: 230 V~ +10 % -15 %
  - Frequency: 50/60 Hz
  - Input current: max 2.5 mA
  - Consumption: max 0.4 mW
  - Cable length: max 100 m.

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