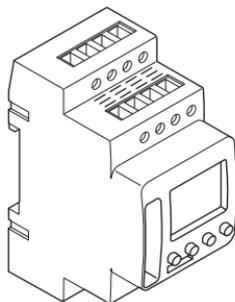


IC100kp+ Smart

Product information / menu description



CCT15494

CCT15495

IC100kp+ Smart

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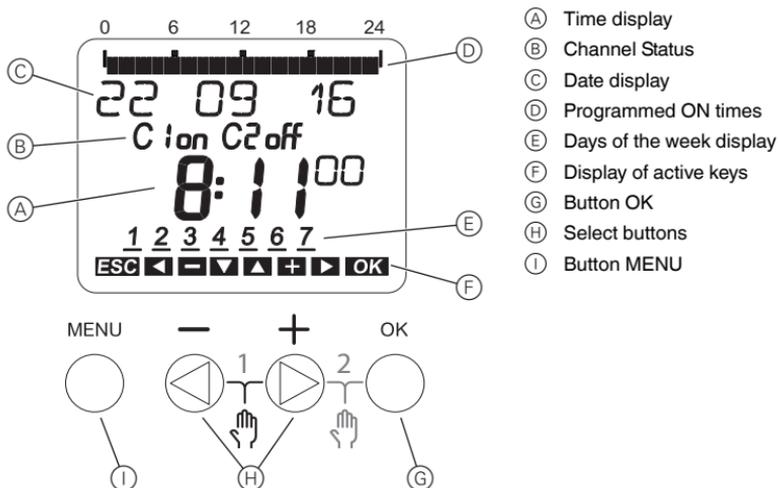
Programming with the memory stick

Schneider Electric Industries SAS

Getting to know the twilight switch

The IC100kp+ with weekly time switch controls the light facilities of streets, external stairways, etc.

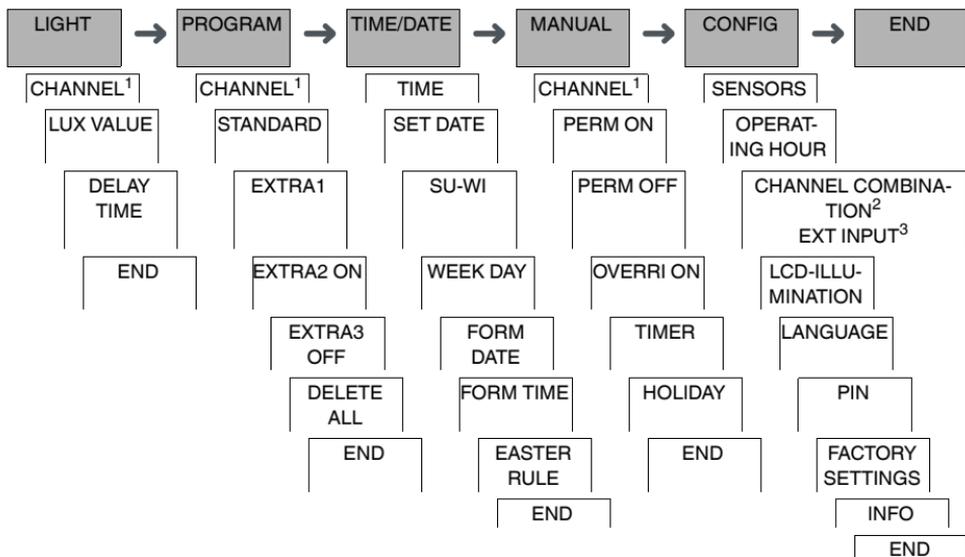
Displays and operating elements



Operation

Button	Function
Button MENU	<ul style="list-style-type: none"> • Opens the menu • In menu mode: one step back • In programming mode: cancel programming mode
Select buttons	<ul style="list-style-type: none"> • Switch between menu items • Increase/decrease value
Button OK	<ul style="list-style-type: none"> • In menu mode: select menu item • In programming mode: confirm setting

Menu structure



¹ The menu item **CHANNEL** only appears on devices with two channels (2C). Devices with one channel switch directly to the menu below.

² Only appears on devices with two channels (2C).

³ Only appears on devices with only one channel (1C).

Initial setup

The basic settings, such as date, time, etc., must be carried out when starting for the first time or following a reset.

The device starts in the settings menu with the item **LANGUAGE**.

- ① Select the language.
- ② Confirm the message **FORM DATE**.
- ③ Select the date format.
- ④ Set the year.
- ⑤ Set the month.
- ⑥ Set the day.
- ⑦ Confirm the message **FORM TIME**.
- ⑧ Select the time format.
- ⑨ Set the hours.
- ⑩ Set the minute.
- ⑪ Select summer time/winter time.

Menu Light

LIGHT

LUX VALUE

DELAY TIME

In the **LIGHT** menu, you can check and modify the switching brightness and delay times.

LUX VALUE

You can set individually for each channel and day of the week at which brightness the load should be switched on or off. 15 lux are preset.

DELAY TIME

You can set for each channel how long the set brightness must be constantly exceeded or undercut until the load is switched on or off. With a delay time, you can prevent the twilight switch from responding to brief influences, e.g. the headlights of a vehicle. 1 min is preset.

Setting a switching time

PROGRAM

CHANNEL

STANDARD

NEW

A switching time always consists of a start switching time and an end switching time. You can select whether the load is switched off (**NIGHT BREAK**) or on (**LIGHT ON**). You can either set switching times for a specific day of the week or copy them for multiple week days. Copied week days are referred to as a block.

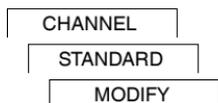
Example: The lighting of a shop window should not be on for the whole night. To switch the lighting off, set a **NIGHT BREAK** at the desired time.

To set a switching time:

- ① Confirm message about free memory slots.
- ② Select **LIGHT ON** or **NIGHT BREAK**.
- ③ Set the hour.
- ④ Set the minute.
- ⑤ Set the day of the week.
- ⑥ Set **DURATION UNTIL**.
- ⑦ If the switching time is only to be valid for one week day, select **SAVE**.
The switching time is set.
- ⑧ If the switching time is to be copied as a block for multiple week days, select **COPY**.
- ⑨ Select further days of the week and confirm in each case.
Week days contained in the block are indicated in the week day display.
To remove a week day from the block, select the week day again using the selection buttons.
- ⑩ Once the desired week days have been set, select **SAVE**.

Modifying a switching time

PROGRAM



You can change the time for the switching times. In the case of switching times within a block, you can select whether the modification of the time is to apply to the whole block or only to a specific week day. This week day is then removed from the block.

- ① Select the switching time.
The display runs through all switching times in sequence. If no switching time is set for a week day, this is indicated in the display by --:--.
If the selected switching time is part of a block, all days of the block are shown in the week day display. The selected week day flashes.
- ② Set the hour.
- ③ Set the minute.
- ④ Set the duration.
- ⑤ If the selected switching time is only set for one week day, only the option **SAVE** appears.
- ⑥ If the selected switching time is part of a block, select **MODIFY BLOCK** or **MODIFY WEEK DAY**.
 - **MODIFY BLOCK** changes the time for all switching times of the block.
 - **MODIFY WEEK DAY** changes the time for the selected switching time. The selected switching time is removed from the block.

Deleting a switching time

PROGRAM



You can delete switching times at any time. If a switching time is part of a block, you can delete the entire block or remove the switching time from the block. You can also delete all switching times of a channel simultaneously.

Deleting a switching time:

- ① Select **SWITCH**.
- ② Select the switching time.
The display runs through all switching times in sequence. If no switching time is set for a week day, this is indicated in the display by --:--.
If the selected switching time is part of a block, all days of the block are shown in the week day display. The selected week day flashes.
- ③ If the selected switching time is only valid for one week day, only the option **DELETE WEEK DAY** appears.
- ④ If the selected switching time is part of a block, select **DELETE BLOCK** or **DELETE WEEK DAY**.
 - **DELETE BLOCK** deletes all switching times of the block.
 - **DELETE WEEK DAY** removes the selected switching time from the block and deletes it.

Deleting all switching times of a channel:

- ① Select **DELETE ALL**.
- ② Confirm with **CONFIRM**.

Extra programs

PROGRAM

CHANNEL

EXTRA1

EXTRA2 ON

EXTRA3 OFF

You can set switching times independently of the days of the week. During these switching times, other set switching times are inactive.

EXTRA1

You can set one Night Break and/or Light On in addition to the programmed switching times and switching brightnesses. You can set individual switching brightnesses for switching on and off for these switching times.

The switching times are repeated daily within the date range. You can set multiple date ranges.

EXTRA2 ON

You can set a switch-on time.

EXTRA3 OFF

You can set a switch-off time.

Date ranges

If you set an Extra program, different date ranges are available:

- **FIX DATE:** One-off date range with a fixed start and end time or annually recurring date range.
- **BEFORE/AFTER EASTER:** Annually recurring date range whose start and end times are defined relative to Easter Sunday 00:00.



BEFORE/AFTER EASTER setting:

The display starts with 0 days and indicates **START EASTER SUNDAY**. Using the selection buttons, you can reduce this value to **START BEFORE EASTER** or increase it to **START AFTER EASTER**.

Setting summer time/winter time

TIME/DATE

SU-WI

You can adapt summer and winter time to your region.

- ① Select summer time/winter time region.

Setting the holiday function

MANUAL

HOLIDAY

With the holiday function, you can set a channel for a longer period to one of the following settings:

- Completely on.
- Completely off.
- Only twilight switching on or off.

The programmed switching times do not apply while the holiday function is active. You can only set one holiday time per channel.

- ① Select **ON**, **OFF** or **ONLY LUX**.
- ② Confirm **BEGIN HOLIDAY**.
- ③ Set the year.
- ④ Set the month.
- ⑤ Set the day.
- ⑥ Set the hour.
- ⑦ Confirm **END HOLIDAY**.
- ⑧ Set the year.
- ⑨ Set the month.
- ⑩ Set the day.
- ⑪ Set the hour.

Setting the PIN

CONFIG

PIN

A PIN protects against unauthorized use.

If you have forgotten your PIN, contact the Customer Care centre in your country, stating the serial number of your device.

- ① Select **WITH PIN**.
NO PIN cancels the PIN protection function.
- ② Confirm **CURRENT PIN**.
- ③ Set new PIN.



The PIN digits are set one after the other with +/- and confirmed with **OK**. A digit that has already been set can no longer be changed. When the last digit is confirmed with **OK**, the PIN is saved. If in any doubt, exit the PIN setting procedure with **MENU**.

Setting the external input (1C only)

CONFIG

EXT INPUT

The device has an external input, you can set whether, and in what manner, it is to respond to an external signal. In the **EXT INPUT** menu, you can set the function that is to be executed. If a function is activated via an external button or switch, **EXTERNAL** appears in the display.

NOT ACTIVE

The external input has no function.

BUTTON

The external input waits for a brief signal and executes a function once.

- **OVERRIDE**
Actuating the external button switches to the override function.
- **TIMER**
The load is switched on or off for a maximum of 23 hours and 59 minutes. Set the duration and the desired function.
- **STAIRCASE LIGHT**
The load is switched on for a maximum of 59 minutes. Set the duration and whether the load can be switched off or reset.

SWITCH

The external input switches between two states.

- **PERM ON**
Switches the load on permanently.
- **PERM OFF**
Switches the load off permanently.
- **ONLY LUX**
All switching times except twilight times are deactivated.
- **EXTRA1**
The special program **EXTRA1** is activated.

Channel combination (Program change) (2C only)

CONFIG

CHANNEL COM-
BINATION

PROGRAM
CHANGE

With program change, both channels are activated simultaneously for all set switch-on times. One channel is switched off at the set time. You can select whether the channel that is switched off changes daily or on a specific week day.

- ① Select **PROGRAM CHANGE**.
- ② Select a specific week day or **DAILY**.
- ③ Set **HOURLY**.

Channel lock - (2C only)

CONFIG

CHANNEL COM-
BINATION

CHANNEL LOCK

Channel lock prevents both channels from switching simultaneously.

If a channel is already switched on, the second channel does not switch on until the first channel is switched off and a wait time of 1 s has elapsed.

If both channels are switched on at the same time, channel 1 has priority.

Activating override and permanent switching

You can set override or permanent switching either via the **MANUAL** menu or using combinations of buttons on the device.

Override switching

If you wish to switch a channel briefly to the other switching state (e.g. from **ON** to **OFF**), activate override. This state is only valid until the next switching time.

If override is active, **OVERRI** appears briefly in the display.

Permanent switching

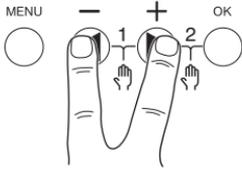
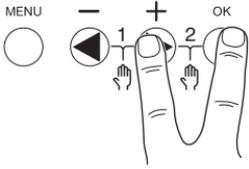
If you wish to switch a channel permanently, activate permanent switching. While permanent switching is activated, switching times have no effect.

If you want to select whether the channel is to be switched **ON** or **OFF** permanently, use the **MANUAL** menu.

If you use the button combinations to activate permanent switching, the channel is switched to the other switching state (e.g. from **ON** to **OFF**).

If permanent switching is active, **PERM** appears briefly in the display.

Button combinations

Channel	C1	C2
Buttons		
Activating override	Press buttons simultaneously	Press buttons simultaneously
Activating permanent switching	Press and hold buttons simultaneously for approx. 2 s	Press and hold buttons simultaneously for approx. 2 s
Cancelling override	Press buttons simultaneously	Press buttons simultaneously
Cancelling permanent switching	Press buttons simultaneously	Press buttons simultaneously

Resetting basic settings

You can reset the basic settings, such as date and time, etc., and delete or retain all switching times.

You have two options: You can load the factory settings via the **CONFIG** menu or reset the device by pressing specific combinations of buttons on the device.



Loading the factory settings deletes all switching times. If you reset the basic settings and wish to retain the switching times, use the Reset function.

Loading the factory settings

CONFIG

FACTORY SET-
TINGS

- ① Press **LOAD FACTORY SETTINGS**.
- ② Carry out the basic settings as described in the chapter "Initial setup".

Resetting

- ① Push all four buttons on the device simultaneously.
- ② Select the language.
- ③ If you want to retain the switching times, select **RETAIN PROGRAMS**.
- ④ If you want to delete all switching times, select **DELETE PROGRAMS**.
- ⑤ Set basic settings as described in chapter "Initial setup".

Programming with the memory stick

You can also set switching times, programs and functions with the Kit LTS Software (CCT15860) and transfer them to the device with the Memory stick (CCT15861).

When you plug the Memory stick into the slot, you can call the following menus:

COPY KEY-\$IC100

Copies the switching times and settings from the Memory stick to the device.

COPY IC100-\$KEY

Copies the switching times and settings from the device to the Memory stick.

RUN KEY

Activates the switching times set on the Memory stick. The switching times of the device are deactivated. When the memory element is removed, the switching times of the device are reactivated.

CHECK KEY

You can check the settings and programs on the Memory stick

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If you have technical questions, please contact the Customer Care Centre in your country.

schneider-electric.com/contact