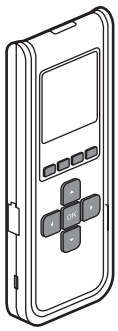
128, av. du Maréchal-de-Lattre-de-Tassigny - 87045 LIMOGES Cedex
Tel: +33 (0)5 55 06 87 87 Fax: +33 (0)5 55 06 88 88
www.legrand.com

Configuration tool with screen

Catalogue number(s): 0 882 30



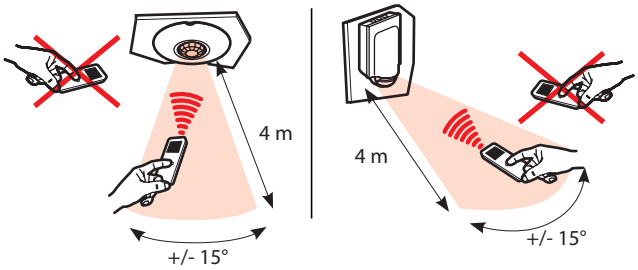
CONTENTS Page

1.USE

Using this infrared configuration tool the user can, without touching the device:
- set the parameters of SCS and KNX self-contained sensors, dynamic light strips and SARLAM bulkhead lights (time delay, daylight setpoint, detection sensitivity, etc.)
- adjust, correct, debug the system according to the characteristics of the installation location and customer requirements
- save the settings (maximum of up to 26 configuration files)
- duplicate onto other sensors (copy/paste a typical setting)

2. TECHNICAL CHARACTERISTICS

Infrared communication technology (4 m max.)
In the direction of the product to be measured
At a maximum angle of +/-15° in the axis of the IR transmission and reception LED (see figure)

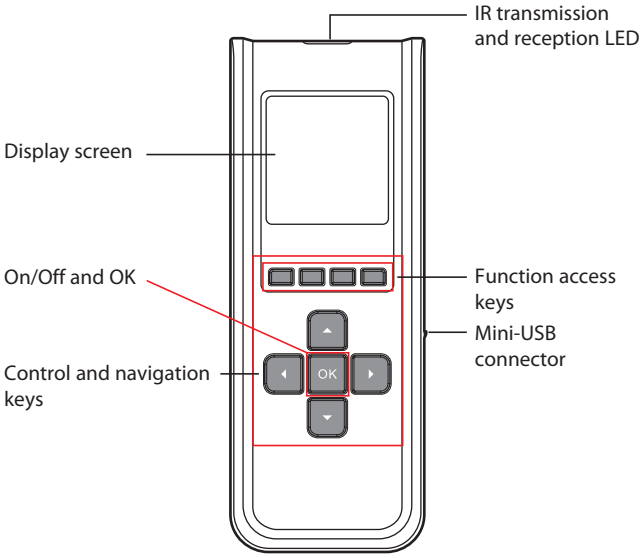


Backlit screen (automatic switch-off)
Weight: 71 g
Impact resistance: IK04
Operating temperature: -5°C to +45°C
Storage temperature: -20°C to +70°C

Recharging: Use a mini USB cable (not supplied) to recharge the configuration tool via a standard USB socket.

Note: Updating software is available on our website
www.legrandoc.com

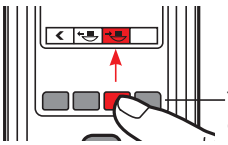
2. TECHNICAL CHARACTERISTICS (CONTINUED)



Works with all factory pre-set compatible sensors (infrared, ultrasound or dual technology) with dynamic light strips and SARLAM bulkhead lights.
After fully interrogating the device, only the parameters concerning this device appear.

3. NAVIGATION

■ 3.1 Pictograms

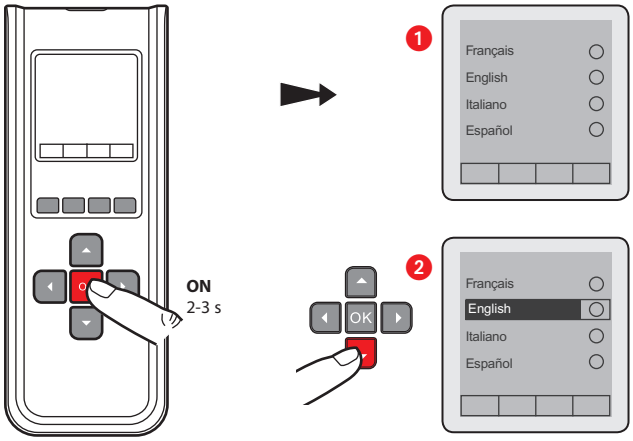


The 4 buttons control the pictogram functions displayed above

- Back to previous page
- Takes the current sensor configuration
- Sends a configuration to the sensor
- Creates a backup file
- ? Provides the website address for the online technical documents (www.legrandoc.com)
- Deletes a file
- Displays a file's parameters
- del Deletes a product from the configuration
- learn Adds a product to the configuration
- Information

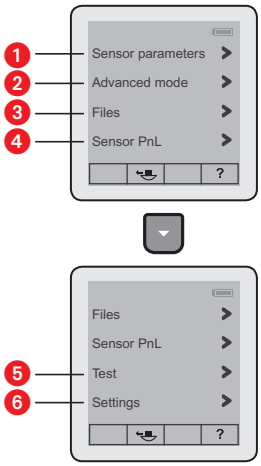
■ 3.2 Instructions for use

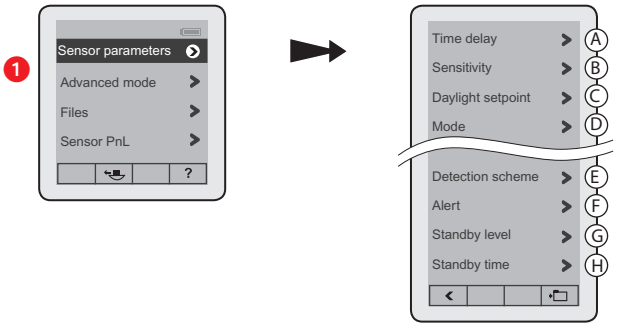
■ 3.2.1 Language selection

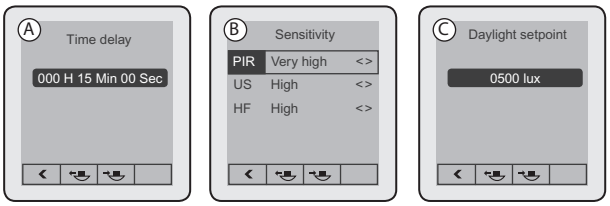


3. NAVIGATION (CONTINUED)

■ 3.2.2 Parameter selection



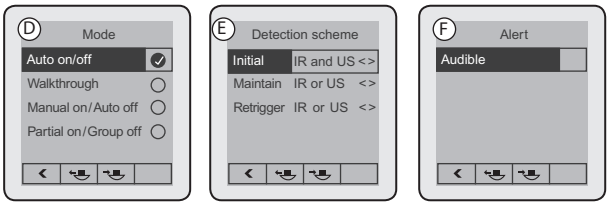




Max. time delay
255 H 59 Min 59 Sec

Very high
High
Medium
Low

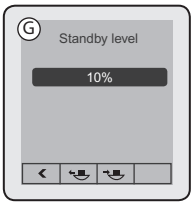
Max: 1275 lux



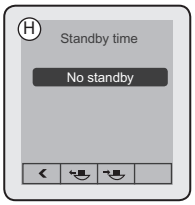
IR and US
IR or US
HF only
PIR and HF
PIR or HF
IR only
US only

ON/OFF
Status change "BEEP" on the sensor

3. NAVIGATION (CONTINUED)



Max: 100%



Max: unlimited

Ⓐ **Time delay**
Length of time the load is on after detection. See technical data sheet for the associated sensor.

Ⓑ **Sensitivity**

Sets the sensor range (see technical data sheet for the associated sensor).

Ⓒ **Daylight setpoint**

Value at which the load switches on if the light level is less than the setting and goes off if it is above this setpoint. The daylight setpoint can be set up to a maximum of 1275 lux.

Ⓓ **Mode**

There are 4 different operating modes.

Auto on/Auto off mode:
Comes on automatically:
- On detection of a presence if there is insufficient natural light.
Turns off automatically:
- If no presence is detected and at the end of the time delay set.
- Or if there is sufficient natural light (regulation function activated).
Any new detection triggers an automatic switch-on if there is insufficient light.

Walk-through:
- If no presence is detected in the 3 minutes following an initial detection, the sensor will cut off the load after 3 minutes.
- If another movement is detected in the 3 minutes following initial detection, the device will cut off the load at the end of the set time delay.

Manual on/Auto off mode:
The lighting is switched on manually and switched off automatically:
- If no movement is detected at the end of the set time delay.
After switch-off, if another movement is detected within a 30-second period, the lighting switches on automatically.
After 30 seconds, the lighting has to be switched on manually.

Partial on/Group off mode:
This mode is used to ungroup circuits that are switched on upon detection and circuits that will be switched off at the end of detection.

Example: Upon detection I switch on the main lighting and I can control backup lighting manually in parallel. At the end of detection, the sensor controls switching off the main lighting and the backup lighting circuits.

Ⓔ **Detection scheme**

This menu concerns the detection technologies. There are several possible types of combination.

IR and US: The sensor needs both technologies in order to switch on the load.

IR or US: The sensor needs one of these technologies in order to switch on the load.

HF only: The sensor needs HF technology in order to switch on the load.

3. NAVIGATION (CONTINUED)

IR only: The sensor needs IR technology in order to switch on the load.

US only: The sensor needs US technology in order to switch on the load.

Ⓕ **Alert**

A "BEEP" is transmitted before the end of the time delay programmed.

Ⓖ **Standby level**

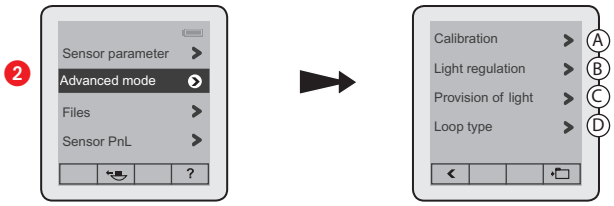
Warns of switch-off by lowering the light level before switch-off.

Ⓗ **Standby time**

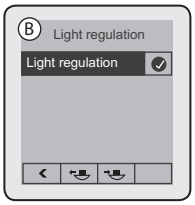
Used to adjust the switch-off warning duration.

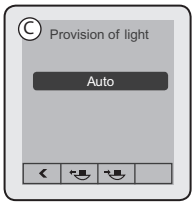
NB: Choosing an unlimited duration allows there to be a minimum light level when no presence is detected.

■ 3.2.3 Advanced mode

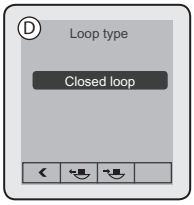


Max. lux: 99,995





Max. lux: 1275



Closed loop
Open loop

Ⓐ **Calibration**

In order to calibrate the sensor, the surrounding light level must first be measured using a luxmeter. The measured surrounding light level should then be transmitted to the sensor.
Steps for setting the electric light factor:
- Put the light on and close the shutters
- Wait 2 minutes
- Measure the light level below the cell using a luxmeter
Enter this value in the tool and send it to the cell. This calibration will be acknowledged during the next detection cycle.

3. NAVIGATION (CONTINUED)

Ⓑ Light regulation

Principle: Light regulation distinguishes between the available natural light and the provision of artificial light.
It continuously measures the natural light level (daylight) and compensates for the lack of this natural light level by switching on the artificial light.
The light level cell distinguishes between the available natural light and that provided by artificial light and, by comparing with the daylight setpoint, the product adjusts the provision of artificial light.
The daylight setpoint set in the products is a threshold below which the area being lit must not fall, as indicated in standard NF 12464-1.

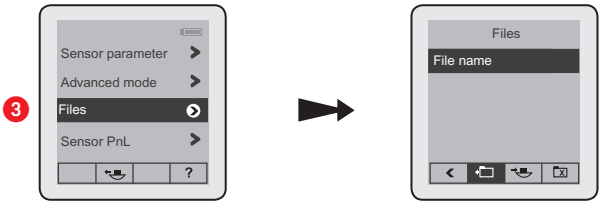
Ⓒ Provision of light
This is the quantity of additional lux contributed by switching on the artificial light.

Ⓓ Loop type
There should be outside light available for correct operation of the regulation function.

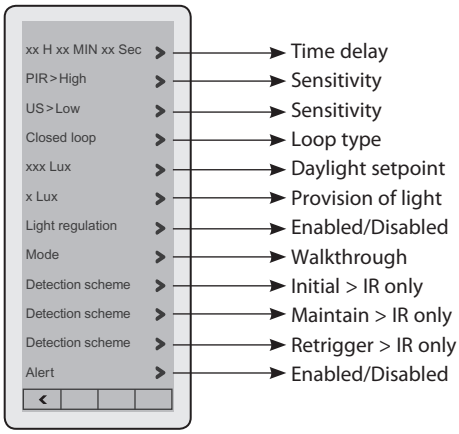
Closed loop:
The sensor measures the light level in its coverage area and regulates the lighting according to this measurement.

Open loop:
The sensor does not measure the light level in its coverage area.
The lighting is regulated according to the available outside light.

■ 3.2.4 Files



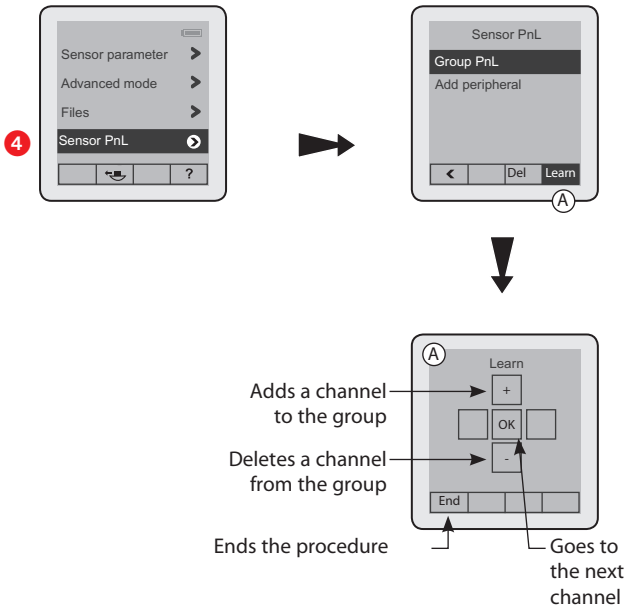
Example



The "Files" menu can be used to display the customised settings saved.
Up to 26 files can be saved.

3. NAVIGATION (CONTINUED)

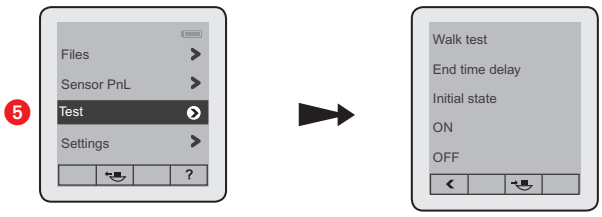
■ 3.2.5 Sensor PnL



PnL = Push & Learn
Teach mode allowing several products to be combined in a system.

The configuration tool allows this function to be used remotely.

■ 3.2.6 Test



Walk test
Mode used to check how the installation is operating.
When the command is sent, the sensor goes into test mode for 5 minutes. The sensor is therefore in Auto ON/Auto OFF mode and the time delay is set at 5 sec.

End time delay
Used to force the end of the current time delay.

Initial state
Used to exit Test mode and puts the installation into operating mode (initial state).
This function does not modify the selected parameters.

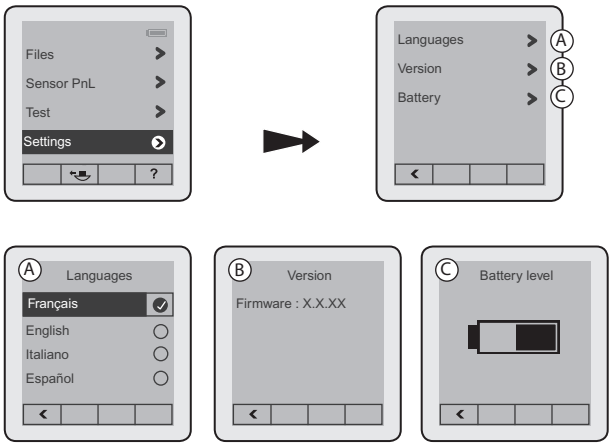
ON
Used to force switch-on.

OFF
Used to force switch-off.

3. NAVIGATION (CONTINUED)

■ 3.2.7 Settings

6

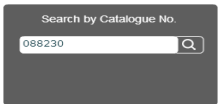


4. UPDATING

■ 4.1 Installing the software

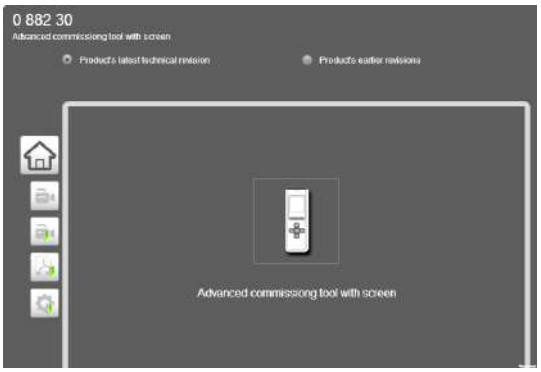
1 Connect to the website **www.legrandoc.com**

2 Enter product catalogue number **0 882 30**



then click **OK**

The page concerning the available product documentation is displayed



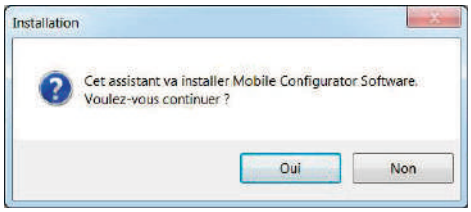
3 Click on the icon  to access software downloading

4. UPDATING (CONTINUED)

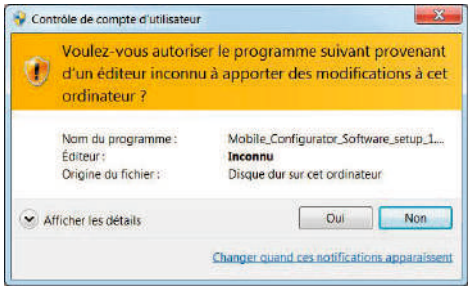
4 Download the file

5 Install the updating file

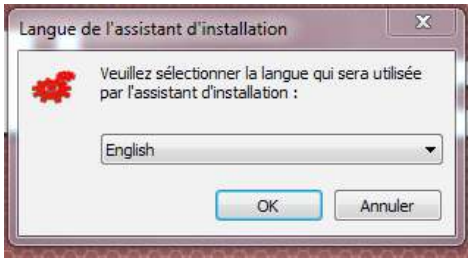
6 Click on **Yes**



7 Click on **Yes**



8 Select the desired language then click **OK**



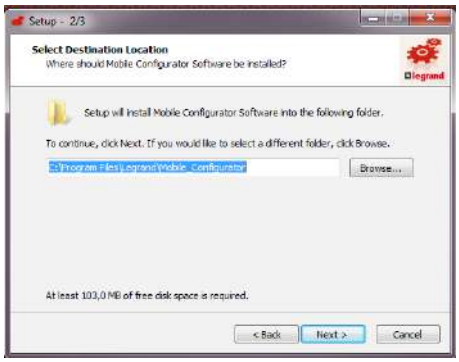
9 Click on **Next**

4. UPDATING (CONTINUED)

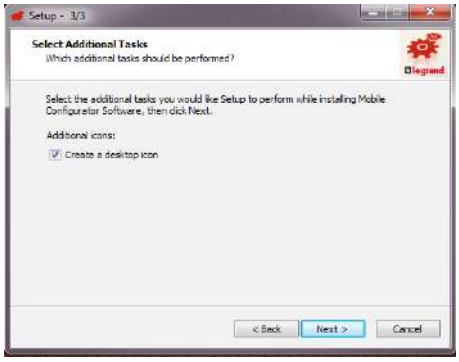
10 Click on Next after accepting the licence contract terms

11 Click on **Browse** to indicate the destination directory

12 Click on **Next**

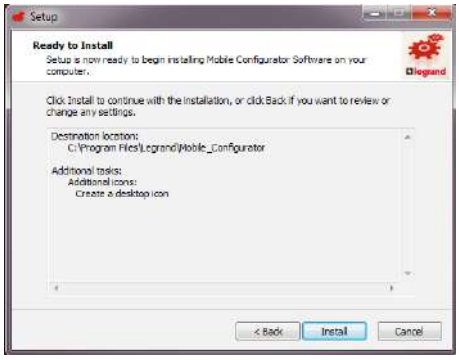


13 To create a software icon on your desktop, check the corresponding box, then click on **Next**



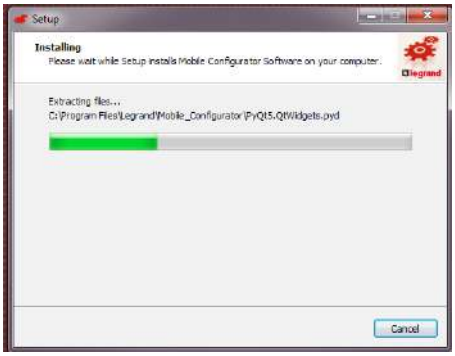
This window summarises the tasks selected earlier

14 Click on **Install** to confirm these actions, or else on Previous to amend these tasks

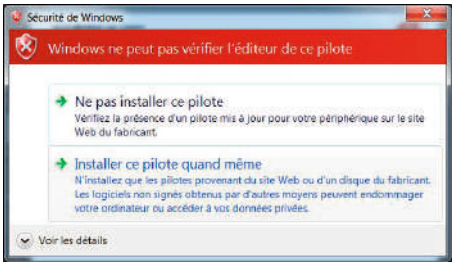


4. UPDATING (CONTINUED)

This window is used to display the progress of the software installation



15 Select "Install this driver software anyway"



Installation is complete

16 Click on **Finish**

■ 4.2 Launching the software

1 Launch the application shortcut on the Desktop

4. UPDATING (CONTINUED)

2 Select the application

3 Eg: Lighting management

4 Connect the configuration tool to the PC

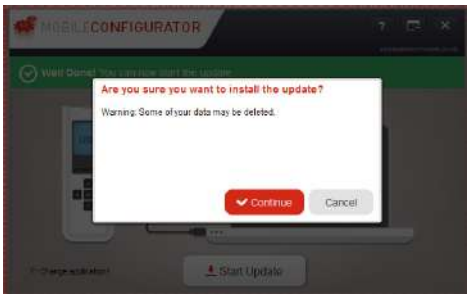
Important: The configuration tool must be switched off

5 Choose whether or not to start updating

Once connected, the configuration tool should switch on. If not, disconnect and then reconnect it to the USB cable.

4. UPDATING (CONTINUED)

Alert window warning that some data may be lost. Select **Continue** to start updating.



Updating is complete.

Note: All technical information is available on
www.legrandoc.com

5. STANDARD EN12464-1 RECOMMENDATIONS

Commercial premises - office buildings:
Passage areas and corridors: 100 lux
Stairs: 150 lux
Canteens: 200 lux
First-aid room: 500 lux
Warehouse: 100 lux
Offices: 300 - 500 lux
Conference rooms: 500 lux
Reception rooms: 300 lux
Technical drawing: 750 lux

Manufacturing areas:
Packaging rooms: 300 lux
Visual work during manufacturing: 1000 lux
Assembly line: 1500 lux

Warehouses:
Sales areas: 300 lux
Checkout areas: 500 lux

Other examples:
Moonlit night: 0.5 lux
Well-lit street at night: 20 - 70 lux
Living premises: 100 - 200 lux
Well-lit apartment: 200 - 400 lux
Work premises: 200 - 3000 lux
Stadium at night: 1500 lux
Outside with cloudy sky: 25,000 lux
Outside in full sunshine: 50,000 to 100,000 lux

6. CARE

Do not use: acetone, tar-removing cleaning agents or trichloroethylene.
Resistant to the following products:
- Hexane (En 60669-1)
- Methylated spirit
- Soapy water
- Diluted ammonia
- Bleach diluted to 10%
- Window-cleaning products

WARNING: Always test before using other special cleaning products.

7. STANDARDS

Directive: CE

Product standard: EN 60 669-2-1

Environmental standards:
- European Directive 2002/96/EC:
  WEEE (Waste Electrical and Electronic Equipment)
- European Directive 2002/95/EC:
  RoHS (Restriction of Hazardous Substances)