TECHNICAL GUIDE

LIGHT UP
DETECTORS

PROCEDURES MANUAL

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GLOBAL SPECIALIST IN ELECTRICAL AND
AND DIGITAL BUILDING INFRASTRUCTURES

Lı **legrand**®

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PROCEDURES

INSTALLATION PRINCIPLES

The Light Up occupancy detectors can be used to control the lighting in a room while maintaining predetermined levels of brightness.

They can operate alone and/or in addition to :

▪ a wired control for manual override

▪ up to two wireless, batteryless controls (*) for manual override

▪ up to five connected outlets to power plugged devices only when someone is present

* See the "wireless, batteryless control" offer available in your area.

LIGHT UP OCCUPANCY DETECTORS CHART

	DESIGNATIONS	REFERENCES	☀	I|0	DALI	👥☑	🌡💧🔊≋
	Detector ON/OFF	0 485 51	●	●			
	DALI detector - 1 zone	0 485 52	●		●		
	DALI detector - 3 zones	0 485 55	●		●		
	Corridor ON/OFF detector	0 485 53	●	●			
	Corridor DALI detector - 1 zone	0 485 54	●		●		
	Corridor DALI detector - 3 zones	0 485 56	●		●		
	Multisensor DALI detector - 1 zone	0 485 71	●	●	●		●
	Multisensor DALI detector - 3 zones	0 485 73	●	●	●		●
	Advanced multisensor DALI detector - 1 zone	0 485 72	●	●	●	●	●
	Advanced multisensor DALI detector - 3 zones	0 485 74	●	●	●	●	●

The Light Up DALI - 3 zone detectors enable the control of 3 lighting zones:

▪ dimming on the window side
▪ dimming on the corridor side
▪ ON/OFF on the board side

CAPTIONS

☀ **LIGHTING CONTROL**	I|0 **ON/OFF**	DALI 2 **ON/OFF DIMMING**	👥☑ **PEOPLE COUNTING**	🌡💧🔊≋ **ENVIRONMENTAL DATA COLLECTION** (Temperature, humidity, sound, air quality)

CLOSE UP APPLICATION

Legrand Close Up

Close Up's product configuration allows to :

▪ Secure the detector.

▪ Access the Light Up detectors settings.

▪ Set up the modules available for the product:
Zigbee product association, Primary / Secondary management, DALI installation, light calibration, people counting module.

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INSTALLATION PREREQUISITES

1. SIGN IN TO THE LEGRAND CLOSE UP APPLICATION VIA YOUR LEGRAND ACCOUNT

Wi-Fi Internet connection is required as all your sites will be linked to your Legrand account.

▪ Open the Legrand Close Up application :

▪ If you already have a **Legrand account**, log in and go directly to the following page.

Or

▪ Otherwise, click on **Create a single account for all our applications.**

▪ To create your Legrand account, enter your **e-mail address** and the **verification code** you received before entering the required information.

2. LEGRAND CLOSE UP APPLICATION : OPENING THE PROJECTS SCREEN

The project exists :
Click on it to select it.

The project does not exist :
Click on **Add a project** and fill in the requested details.

NOTE

A project corresponds to a site (with one or more buildings, floors and zones)

IMPORTANT

Internet access is required to create a project.

Offline access to the project requires the use of Close Up with a recent internet connection (less than 24 hours).

INSTALLATION PROCEDURE

## 1. SEARCHING FOR A DETECTOR USING THE CLOSE UP APPLICATION

To access the detector settings, log on to the Close Up application.

- Before you get to this stage, please review the **Installation Prerequisites.**

- Select the product's universe.

- Select the product's line.

NOTE

When opening the Legrand Close Up app for the first time, to ensure proper functioning, you must accept Bluetooth activation (coupled with location services up to Android 11).
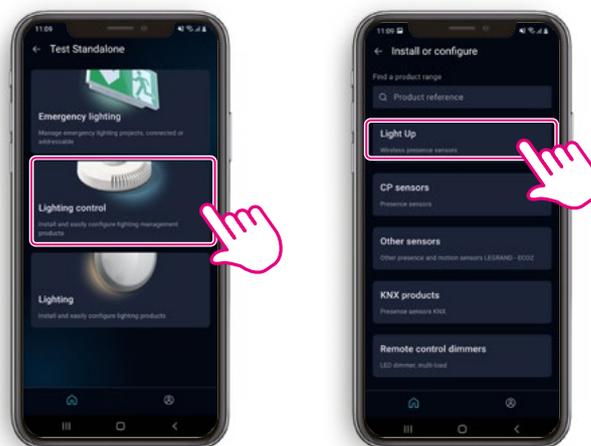
- A list of the nearby connected detectors appears.

- Click on the name of the detector you wish to access.

IMPORTANT

Once you have selected a site, any product you connect to afterwards will be linked to that site. As a result, it will no longer be possible to connect to this product from another site.
It is, however, possible to share or delegate sites.
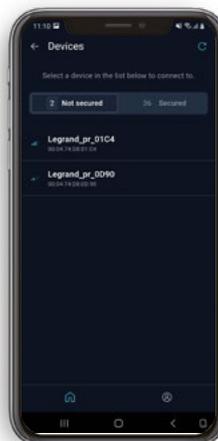
TIP

The Bluetooth LED lights up blue throughout the connection.

INSTALLATION PROCEDURE (CONTINUED)

2. VIEWING AND/OR MODIFYING THE DETECTOR'S SETTINGS
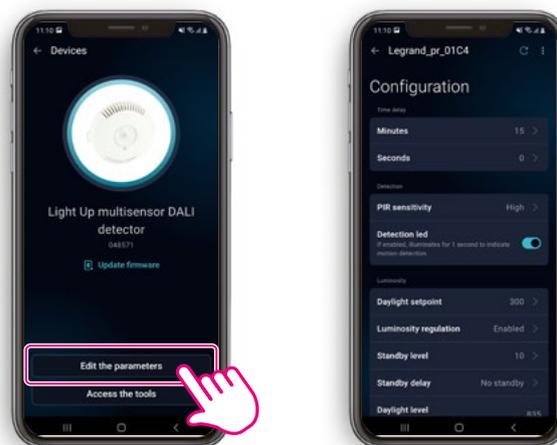
- Once you have established a connection with the product, you can access its settings.

- Click on **Edit the parameters**.

A chevron ❯ indicates that the parameter can be modified.

- Click on **Send configuration** to send new information to the detector.

PROCEDURE FOR ADDING A WIRELESS BATTERYLESS CONTROL

CONNECTING A WIRELESS BATTERYLESS CONTROL TO A DETECTOR

- Return to the product screen.

- Click on **Access the tools** to associate a control to the detector.

- In the **Modules** section, click on **Manage Legrand wireless devices.**

- Click on **Add a product** then select **Wireless batteryless control**.

- Scan the QR code of the control to be associated.

The control is associated to the detector and appears on the list.

NOTE

When you open the Legrand Close Up app for the first time, you must consent to photo and video recording to ensure proper functioning.

TIP

To ensure that the connection between the control and the detector is working properly, press its button to check that it is indeed controlling the luminaire (s).

TIP

The QR code is on the front of the product. Remember to zoom in before scanning.

PROCEDURE FOR ADDING A CONNECTED OUTLET

ASSOCIATING A CONNECTED OUTLET TO A DETECTOR

- Return to the product screen.

- Click on **Access the tools** to associate an outlet to the detector.

- In the **Modules** section, click on **Manage Legrand wireless devices.**

- Click on **Add a product** then select **Connected outlet**.

- Scan the QR code of the outlet to be associated.

- Click on **Open the network** on the application.

- The **detector's** Radio LED turns **steady magenta** to indicate that the network is open.

- Then **press the outlet button**, as requested by the application.

- The **outlet's** Radio LED **flashes green** and then turns to **steady magenta** when it has connected to the detector network.

- Once the outlet has been connected to the network, press the network close button. Otherwise, wait for the 3 minutes to end.

The outlet appears on the list.

NOTE
When you first open the Legrand Close Up app, you must accept the taking of photos and recording of videos to ensure optimal use.

TIP
The QR code to scan is printed on the product. Remember to zoom in before scanning.

TIP
You have **3 minutes** to press the button on the outlet after opening the network.

PROCEDURE FOR REPLACING A BATTERYLESS WIRELESS CONTROL UNIT OR A CONNECTED OUTLET

1. REPLACING A BATTERYLESS WIRELESS CONTROL FROM A DETECTOR

- Return to the product screen.

- Click on **Access the tools**.

- In the **Modules** section, click on
  Manage Legrand wireless devices.

- Click on **Unlink**.

- Click on **Add a product** and select
  Batteryless wireless control.
  Then scan the QR code of the new control to
  be associated.

- The procedure is complete for the control.

2. REPLACING A CONNECTED OUTLET FROM A DETECTOR

- Return to the product screen.

- Click on **Access the tools**.

- In the **Modules** section, click on
  Manage Legrand wireless devices.

- Click on **Unlink**.

- Redo the **Procedure for adding a connected
  outlet > Associating a connected outlet to
  a detector.**

PROCEDURE FOR REPLACING A DETECTOR

1. DISASSOCIATE WIRELESS PERIPHERALS FROM A FUNCTIONAL DETECTOR

- On the product screen, click **Access the tools.**

- In the **Controls** section, click on **Leave radio network.**

- The detector's LED **flashes red.**

IMPORTANT

If the detector cannot be reached via Bluetooth (nonfunctional product), it will be necessary to carry out the Reset process described in the manual for the connected outlet and to delete the configuration of the batteryless wireless control as described in the manual for the batteryless wireless control.

2. INSTALLING A NEW DETECTOR AND ITS WIRELESS PERIPHERALS

- To add the new detector and its peripherals, follow the steps given in the **Installation procedure > 1. Searching for a detector using the Close Up application.**

PROCEDURE FOR UPDATING A DETECTOR

UPDATING A DETECTOR

▪ Connect to the detector via Bluetooth.

▪ Click on ⚡ **Update firmware**
If the link is not displayed, then no update is available.

The file is sent to the detector:
you can see the progression percentage.

Once the file has been received by the detector, the update is launched.

▪ The detector **flashes cyan** during the update.

This step requires restarting the detector.

TIP
You can check the product version in the settings list.

PROCEDURE FOR INSTALLING A 3-ZONE DALI

1. CREATING AN INSTALLATION

- Connect to the detector via Bluetooth.

- On the product screen, click
  Access the tools.

- In the section **Modules**, click on
  DALI management.

- If there is no existing installation, click
  Begin installation.

The search phase for luminaires is launched.
It can last up to 6 minutes.

The search phase is now over, and the
number of luminaires found is shown.

- For each luminaire, choose a group to
  assign it to :

  - window

  - corridor

  - screen

  - the luminaire can also be excluded

Each luminaire will light up individually, to
facilitate its location in the room.

NOTE

Refer to the **Light Up Occupancy Detectors Chart** on page 4 for compatible products.
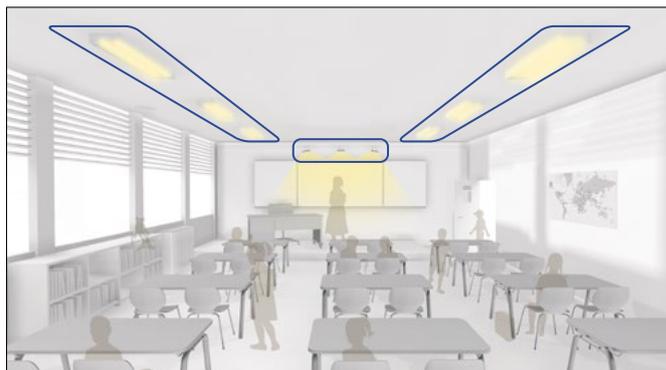
PROCEDURE FOR INSTALLING A 3-ZONE DALI
(CONTINUED)

2. VERIFYING AN INSTALLATION

Once all the luminaires have been assigned, the installation is complete and you can check the proper functioning of each group.

- Return to the DALI installation management screen.

- Click on **Check installation.**

For each group, you can turn the entire set on or off.

3. MODIFYING AN INSTALLATION

- To modify the installation, click on **Modify installation** from the DALI installation management screen.

- Reassign the desired luminaires.

4. REMOVING AN INSTALLATION

- Click on **Remove installation** from the DALI installation management screen.

- Confirm the deletion by clicking on **OK.**

- The installation is then deleted.

PROCEDURE FOR PRIMARY / SECONDARY MANAGEMENT

NOTE

We have replaced the **Master/Slave** terminology with **Primary/Secondary** for this feature.

The technical behavior remains the same.

PRE-REQUISITES

All luminaires must be connected to the Primary detector only.

1. BLUETOOTH CONNECTION TO THE PRIMARY DETECTOR

- Select the detector that will be the Primary from the list of nearby Bluetooth products.

- On the product screen, click on **Access the tools.**

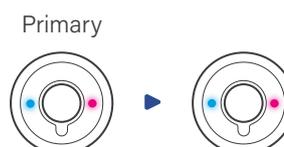- In the modules section, click **Primary/Secondary installation**

2. ADDING SECONDARY DETECTORS

- To associate a secondary detector, click the **Add a secondary sensor** button.

The **Primary detector** opens its Radio Network.

The Radio LED turns on magenta.

- The list of nearby detectors is displayed. Click on the secondary detector you want to add.

Primary

NOTE

It is possible to add up to 5 secondary detectors.

2. ADDING SECONDARY DETECTORS (CONTINUED)

- Once the Bluetooth connection with the secondary detector has been established, confirm its transition to secondary detector status by clicking **Yes**.

The app connects to the **secondary detector** when clicking on it.

The Bluetooth LED of the selected **secondary detector** lights up blue to identify the correct one.

Secondary

The **secondary's** Radio LED blinks magenta until it successfully joins the primary detectors network. Then, the LED goes to a steady magenta.

Secondary

Finally, the app disconnects from the secondary and reconnects to the primary detector.
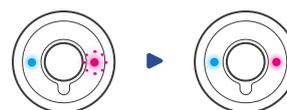
The **secondary's** Bluetooth LED turns **Off** and the **primary's** turns **On**.

The primary detector closes its network, both Radio LEDs turn off.

Secondary

PROCEDURE FOR PRIMARY / SECONDARY MANAGEMENT (CONTINUED)

3. END OF PROCEDURE

- The added secondary detector appears in the list of detectors associated with the primary detector.
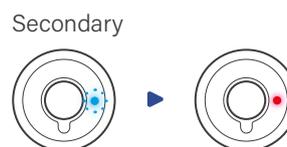
4. REMOVING SECONDARY DETECTORS

- After connection to the primary detector, access the **Primary/Secondary installation** module.

The list of associated secondary detectors is displayed.

- Click the **Remove** button to unlink the secondary detector from the primary detector.

- Confirm your choice by clicking **Yes**.

The Radio LED of the selected secondary detector will blink blue, for easy identification.

Once deleted, the Radio LED will display a steady red light.

Secondary

5. IDENTIFY A PRIMARY DETECTOR VIA A SECONDARY DETECTOR

- From the list of nearby detectors, select the corresponding secondary detector to access the name of its primary detector.

- Click on **Access the tools.**

- Click **Primary/Secondary installation.**

The name of the primary detector is displayed.

SHARING OR TRANSFERRING PROJECT MANAGEMENT

1. SHARE PROJECT MANAGEMENT

- From the list of projects, select the project you want to share.

- Long press on the project to select it or click on the edit icon at the top of the screen. ✏️

- Once you have selected the project, click on the share icon at the bottom of the screen. 🔗

- Select **Delegation of ownership.**

- Enter the **email** address of the person with whom you wish to share ownership of the project.

- Click **Submit.**

IMPORTANT
Ownership of the project is shared, preserving all your access settings.

2. TRANSFER PROJECT MANAGEMENT

- From the list of projects, select the project you want to transfer.

- Long press on the project to select it or click on the edit icon at the top of the screen. ✏️

- Once you have selected the project, click on the share icon at the bottom of the screen. 🔗

- Select **Transfer of ownership.**

- Enter the **email** address of the person to whom you wish to transfer ownership of the project.

- Enter your **Legrand account password**.

IMPORTANT
Ownership of the project is transferred completely. You will no longer have access to it.

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