



Touch control

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Description

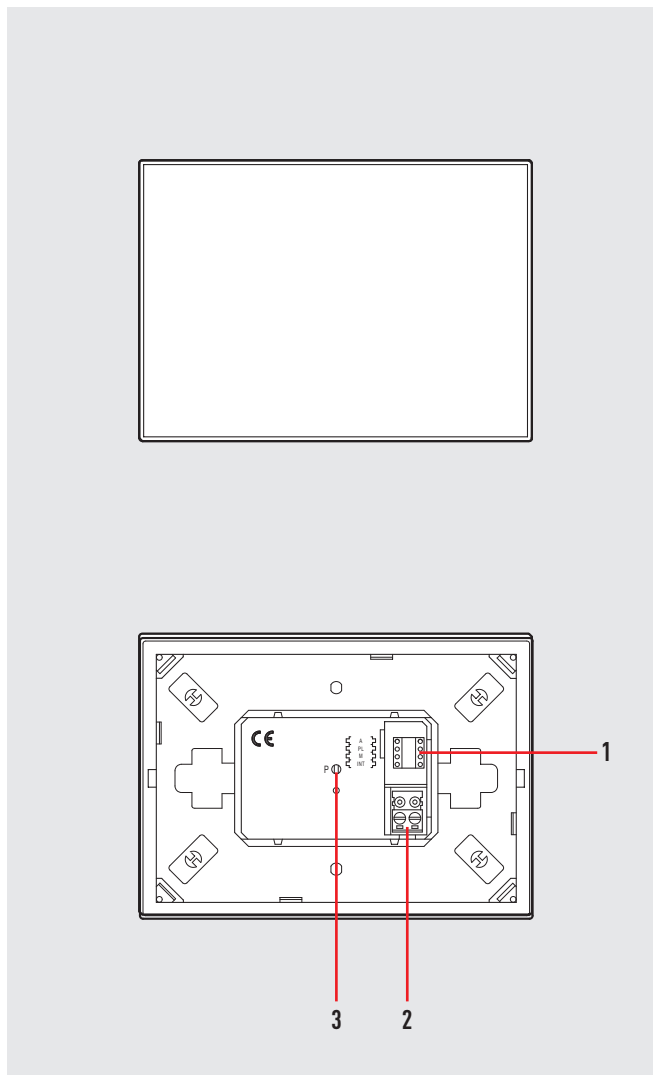
This control is a SCS control, which traditional pushbuttons are replaced by capacitive sensors. Moving the finger close to a sensor is the same as pressing a pushbutton.

The device can be used to perform the functions typical of a special SCS control by simply moving a finger close to the surface. It is produced in the 3 module flush-mounting version, 6 keys respectively. Each zone corresponding to a key is marked at the centre by a light blue LED. When the user moves a finger close to the zone, its intensity increases sensibly, and remains so until the finger is moved away again. Therefore, the LEDs can have two different levels of light intensity. The brightness level of the LEDs can be changed using the appropriate adjustment pushbutton.

The control may operate in four different modes: self-learning, scenarios, swivelling, CEN.

- **The self-learning mode** (cyclic or non-cyclic) allows to associate to each key most of the typical automation system, sound system, video door entry system (staircase light, open-door, call to the floor, door lock, and cycling of cameras) functions, in addition to auxiliary controls.
- **The scenario mode** can be used to recall, program and delete 6 scenarios of a scenario module.
- **The swivelling mode** can be used to drive the 3 consecutive light points or rolling shutters (or rooms or groups)
- **The CEN mode** enables using the control with the scenario programmer (item 0035 65)

In order to clean the device, it is possible to temporarily disable the sensitive zones by pressing two diagonally opposite zones at the same time. The LEDs will flash in sequence. Normal operation is automatically reinstated after 10 seconds.



Technical data

Power supply:	BUS 18 – 27 Vdc
Max. consumption :	20 mA with configurator in INT= OFF,4 25 mA with configurator in INT= 0.2 35 mA with configurator in INT=1.3
Operating temperature:	0 – 40 °C
Depth:	18.3 mm

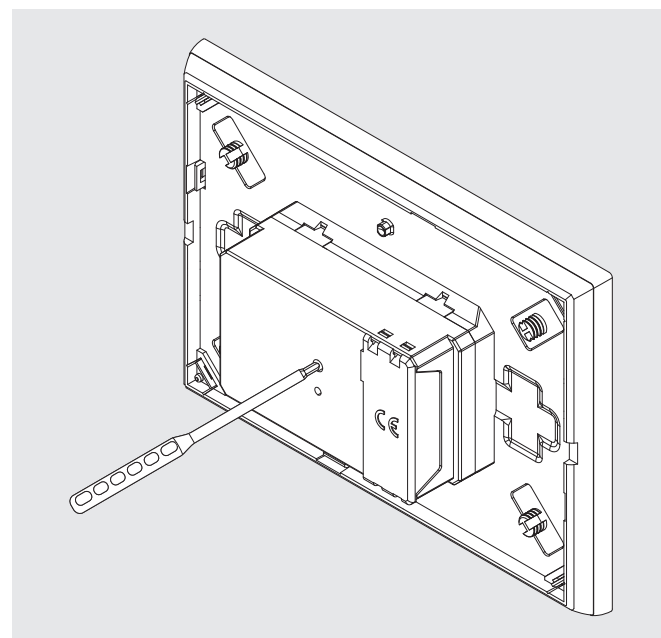
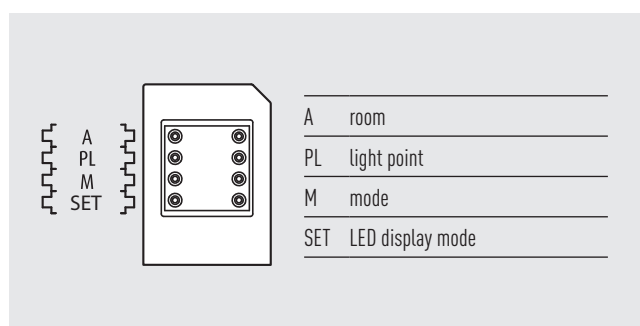
Legend

1. Configurator housing
2. BUS
3. LED intensity programming and adjustment pushbutton

Configuration

The configuration of the control can be made in two different modes

- Physical configuration: by connecting the physical configurators to their housings
- Virtual configuration: the control can be configured remotely, when no physical configurators are available. (For the details refer to the Virtual Configuration).
Regardless of the mode, an A/PL address must always be assigned to the control.



To operate the LED programming and brightness adjustment pushbutton, only use the screwdriver provided.

Self-learning mode M=0

Possible function

M configurator value

This operating mode can be used to associate one individual control to any key of the device. It is possible to create, delete or change each control. The display may be configured using any A/PL address already present in the system, or a unique address not used by other devices. 0

Programming the Keys

To associate a different control to each key, proceed as follows

- 1) Press and release the key on the back, the LEDs come on in succession;
- 2) lightly touch the key to be programmed within 20 seconds: the LED will start flashing, confirming that the programming mode is active
- 3) set the control to associate to the key, by operating the corresponding controls and/or actuator. The LEDs start flashing in succession
- 4) it is now possible to repeat points 2 and 3 for all keys, including those that have already been associated, if these need changing
- 5) press the pushbutton to exit programming, or wait 20 seconds to exit programming automatically.

Deleting the programming of the keys

- 1) Press and release the key on the back, the LEDs come on in succession;
- 2) Within 20 seconds press and hold down for 4 seconds the key for which programming is to be cancelled; from now on, the key will no longer activate any controls until reprogrammed;

- 3) the corresponding LED flashes for 4 seconds in alternative to the others, after which it will be possible to repeat point 2, to delete other programming sequences;
- 4) quickly press the pushbutton, or wait 20 seconds to automatically exit delete programming.

NOTE: To cancel the programming of all keys at the same time press and release the key on the back. The LEDs will come on in succession. Press the pushbutton on the back again, and hold it down for 10 seconds: all LEDs will flash for about 4 second to confirm that all programming has been deleted.

Non cyclic self-learning mode M=6

Possible function

M configurator value

This mode is a variant of the self-learning mode (M=0), where, however, the keys never work cyclically. Therefore if, for example, the ON of an actuator or dimmer is learnt, the couple of keys is configured automatically to switch on or increase the light intensity level for the upper key, and switch off or decrease the level of intensity for the lower one. If, on the other hand, the single function is learnt (e.g. recalling of a scenario), the other key of the pair remains without function, or retains the previous function. The display may be configured using any A/PL address already present in the system, or a unique address not used by other devices.

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Scenario mode M=1 – 4

Possible function

M configurator value

This operating mode is useful if the system includes a scenario module, item 0035 51. The combination is ensured by assigning to both items the same address, identified by A=0-9 and PL=1-9. The user may create, delete or change the scenarios saved in the scenario module, and can recall them using the keys. With this procedure it is possible to save up to 16 scenarios using three 6-key devices.

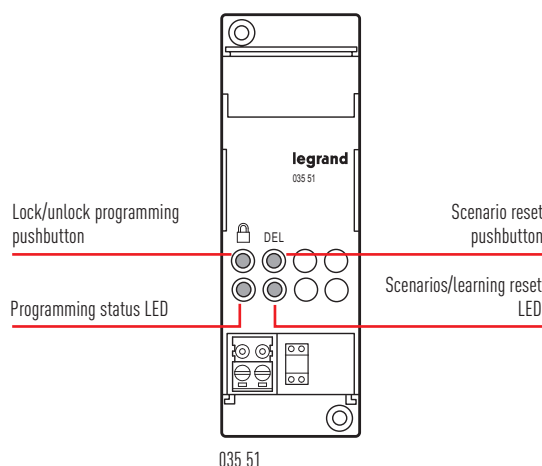
1 – 4

The following table shows the correspondence between the number of the scenario saved in the scenario module, and the keys of the control in the possible configurations: 3 module control (6 sensors)

Number of the key	M=1	M=4	M=3
Key 1	scenario 1	scenario 7	scenario 13
Key 2	scenario 2	scenario 8	scenario 14
Key 3	scenario 3	scenario 9	scenario 15
Key 4	scenario 4	scenario 10	scenario 16
Key 5	scenario 5	scenario 11	
Key 6	scenario 6	scenario 12	

Programming a scenario

- 1) The self-learning configuration of the scenario module, item 0035 51, must be enabled (to do so press the self-learning pushbutton so that the corresponding LED turns green; if the LED is red, self-learning is disabled);
- 2) Press and release the key on the back; the LEDs of the keys enabled and programmed for the scenario function will flash (1 sec. on and 1 sec. off);
- 3) Quickly press the key corresponding to the scenario to be programmed: the LED will start flashing (upon receiving the update of the scenario module), confirming that the programming mode is active.
- 4) Set the scenario using the corresponding controls and/or actuators.
- 5) Press the pushbutton to exit programming: the LEDs flash in succession, it is now possible to repeat points 2, 3 and 4 for all scenarios, including those keys that have already been associated, if they need changing.
- 6) Press the pushbutton on the back to exit programming, or wait 20 seconds to exit programming automatically.



Cancel a scenario

- 1) The scenario module, item 0035 51 must be in configuration mode with self-learning enabled;
- 2) Press and release the key on the back, the LEDs come on in succession;
- 3) Within 20 seconds press and hold down for 4 seconds the key of the scenario to be cancelled;

- 4) The LEDs for the key of the device deleted flash for 4 seconds. Return to item 2 to delete other programs.
- 5) Shortly press the relevant key or wait 20 seconds to exit the deleting mode;

NOTE: the entire memory can only be reset from the scenario module: press and hold down the "DEL" key for 10 seconds after enabling programming on the scenario module.

SPE=0 M=0/I; ↑↓; ↑↓ M Swivelling modes

These modes enable quick installation without the need for learning or scenario modules, allowing control of 2 consecutive light points or rolling shutters. The A PL address is the light point or rolling shutter controlled by the first pair of keys. The subsequent pairs control the subsequent light points or rolling shutters. If the configurator Amb or Gr are connected to A, in the same way the 2 pairs of keys control consecutive rooms or groups, starting from the one indicated by the configurator in PL.

The possible A and PL configurations are the following:

- Point-point: A=1 – 9 is the room, PL=1 – 9 is the light point.
- Room: A=AMB, PL=1 – 9 is the no. of the room.
- Group: A=GR, PL=1 – 9 is the no. of the group.
- General: A=GEN, PL=0 all pairs send the same general controls.

Possible function	M configurator value
ON/OFF control: On control using the upper key, Off control using the lower key. For point-point controls, the ON/OFF functions are performed by a quick pressure, while a longer pressure will be used for the adjustments; for the other controls only the ON/OFF functions are performed	0/1
Control (UP-DOWN for rolling shutters): up-down control to end of stroke	↑↓
Monostable control (UP-DOWN for rolling shutters): up-down control for the time the key is pressed	↑↓M

SPE=0 M=CEN Scenario programmer mode

The combination of a scenario configured in the scenario programmer 035 65 and the corresponding control activation keys, is performed during the programming of the scenario itself with the software supplied.

Possible function	M configurator value
Always assign to the control a specific A/PL address on the system (not to be used by any other device installed on the Bus), A=0 – 9, PL=0 – 9. The A=0, PL=0 configuration cannot be accepted. This operating mode can only be used if the system includes a scenario programmer (035 65).	CEN

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Mode with SPE=1 - sound system mode -

This function is used to control the amplifiers and the sound system sources.
The functions performed are the following:

- 1) With a quick pressure of key 1, the following sequence is sent:
 - OFF of the sources, only if $M > 0$
 - ON of the M source (source 1 if $M=0$);
 - ON of the amplifier.
- 2) With an extended pressure of key 1:
 - for point-point controls, if the amplifier is already on, only the volume is adjusted (VOL+); if the amplifier is off, the switch on sequence is sent first;
 - for Room and General controls, only the volume is adjusted.
- 3) With an extended pressure of key 2, the volume is adjusted (VOL-). A quick pressure sends the OFF control to the amplifier.
- 4) When key 3 is pressed the source is changed.
- 5) Key 4 is the control for the active source.

$M=0 - 9$ indicates the source to be activated before switching the amplifier on. If $M=0$, source 1 is switched on without first switching OFF the sources (follow-me mode).

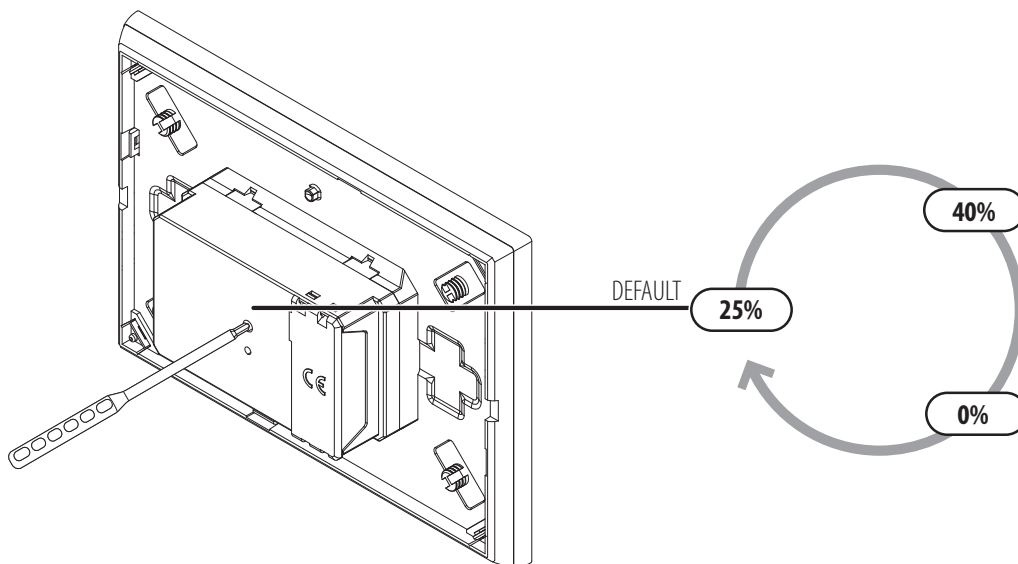
The possible A and PL configurations are the following:

- Audio point: $A=0 - 9$ is the amplifier room, $PL=0 - 9$ is the amplifier audio point.
- Room: $A=AMB$, $PL=0 - 9$ is the room that the control is targeted at.
- General: $A=GEN$, $PL=0$.

LED intensity selection

Once the device has been configured, it is possible to adjust the LED intensity by pressing and holding down ($t > 2$ s) the pushbutton on the back. The pushbutton operates on 3 intensity levels: from the default value (25%), the intensity changes every 2 seconds,

showing the levels that can be set, as per the following drawing. To select the desired level simply release the pushbutton. Using the virtual configuration, the LED intensity may be adjusted to 10 different levels.



If the user has decided that the keys should lit up when pressed (status return), the brightness level will depend on the adjustment of the LEDs as shown below:

LED intensity level	status return intensity
25%	65%
40%	70%
0%	20%

LED display selection mode – SET position

Use the SET configurator to select:

- if in the idle conditions the unused/not configured LEDs should stay off or on;
- if the LED should come on when the corresponding key is pressed (status return); for optimum status return effect it is recommended that the LED brightness level is kept low.
- if the fade effect on the lighting pushbuttons should be enabled or disabled.

Configurator in the SET socket	Behaviour
0	<ul style="list-style-type: none"> • LED on even if the key has not been configured • No status return • Fade effect enabled
1	<ul style="list-style-type: none"> • LED on even if the key has not been configured • No status return • Fade effect disabled
2	<ul style="list-style-type: none"> • LED on only if the key has been configured (not configured -> LED off) • No status return • Fade effect enabled
3	<ul style="list-style-type: none"> • LED on only if the key has been configured (not configured -> LED off) • No status return • Fade effect disabled
4	<ul style="list-style-type: none"> • LED on even if the key has not been configured • Status return enabled • Fade effect enabled
5	<ul style="list-style-type: none"> • LED on even if the key has not been configured • Status return enabled • Fade effect disabled
6	<ul style="list-style-type: none"> • LED on only if the key has been configured (not configured -> LED off) • Status return enabled • Fade effect enabled
7	<ul style="list-style-type: none"> • LED on only if the key has been configured (not configured -> LED off) • Status return enabled • Fade effect disabled



Once the device has been installed, wait two minutes for the self-calibration procedure to be completed. During this period, controls may be automatically sent to the system.