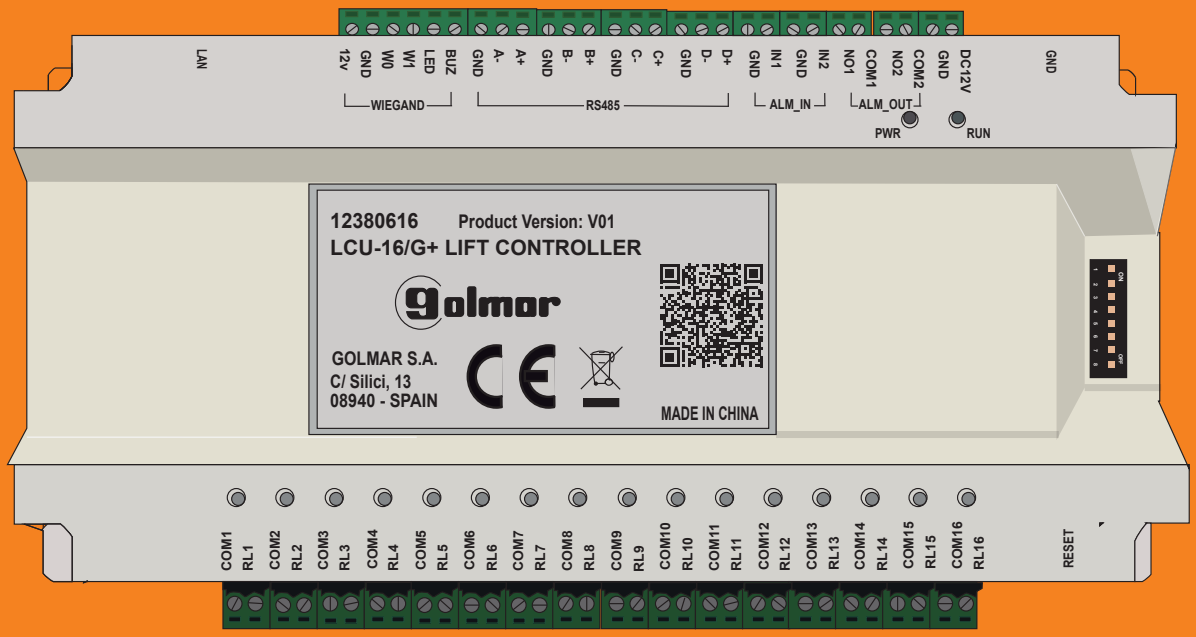
IPG +

golmar

# LCU-16/G+




# INSTALLER MANUAL

LCU-16/G+ V02 REV.0121|ENGLISH

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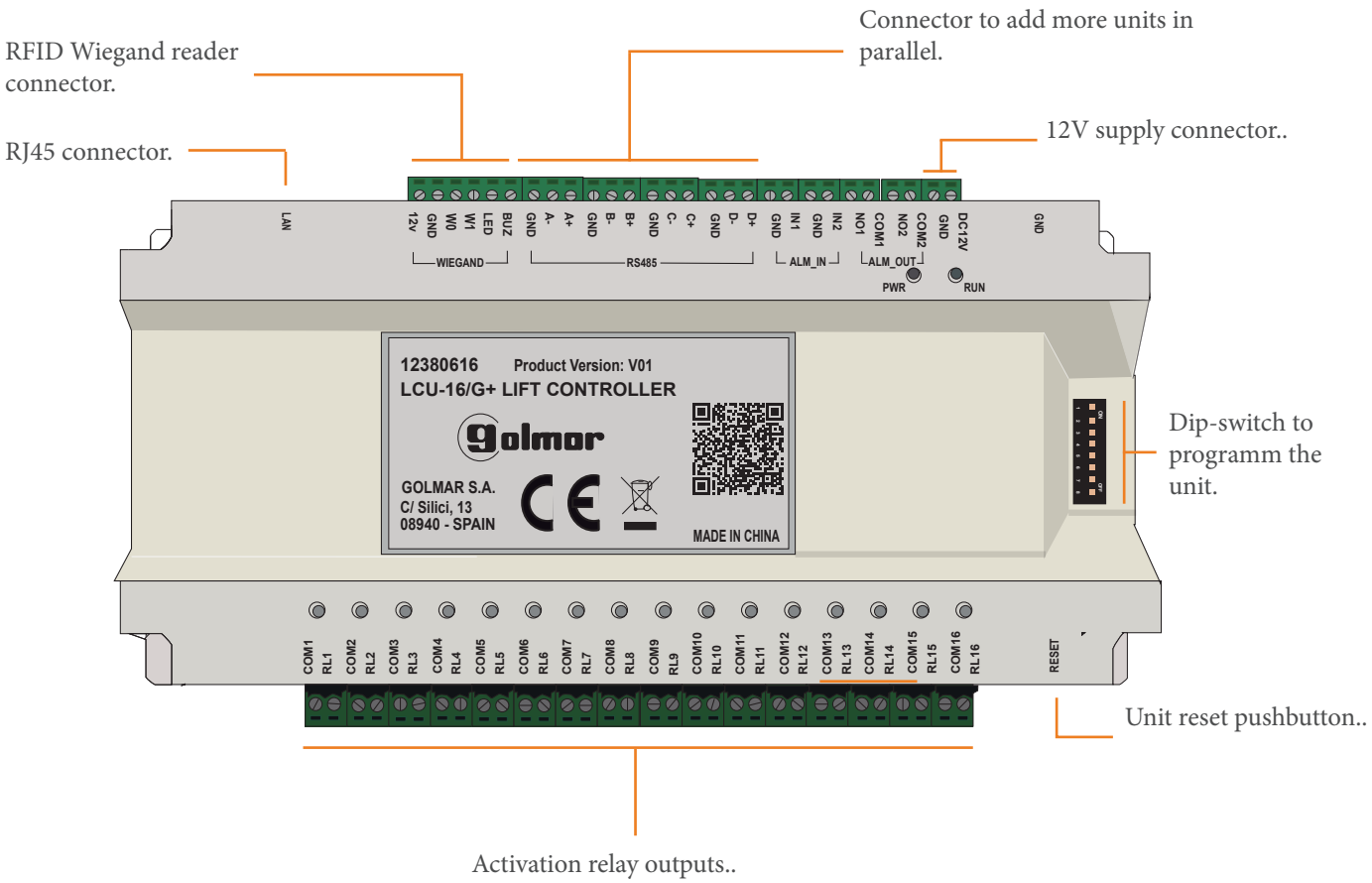
## 1. SAFETY CAUTIONS AND WARNINGS

- The installation and handling of this equipment must be carried out by authorised personnel.
- The current regulations require the feeder to be protected with a circuit breaker.
- The entire installation must travel at least 40 cm from any other installation.
- In the power supply (FA-G+):
  - Do not over-tighten the screws of the terminal strip.
  - Install the power supply in a dry and protected place,without risk of dripping or splashing water.
  - Avoid locations near heat sources, damp or dusty.
  - Do not block the ventilation slots so that air can circulate freely.
  - To avoid damage, the power supply must be firmly anchored. Use a DIN 46277 guide for fixing (8 DIN).
  - To avoid electric shock, do not remove the cover or handle the wires connected to the terminals.

## 2. CHARACTERISTICS

- TCP/IP video intercom system.
- Installtion in an existing network structure (requires the addition of D4L-G+/PoE switches) or in its own structure using fibre or UTP cable category 5 or higher.
- Up to 98 blocks for each instqallation.
- Up to 19 door panels for each block.
- Up to 799 apartments for each block.
- Up to 19 general guard units for installation and 9 guard units for each block.
- Up to 32 ONVIF cameras.
- Up to 5 LCU-16/G+ lift controller unit groups for each block with up to 6 units for each group.

## 3. DEVICE DESCRIPTION



### 3.1. Dip-switches configuration

To configure the lift controller unit, the following steps must be taken:

- Set the unit number setting it up with the dip-switches.
- Reset the unit.
- Finally, access with the web browser to the factory default IP address and configure the module in the web client.

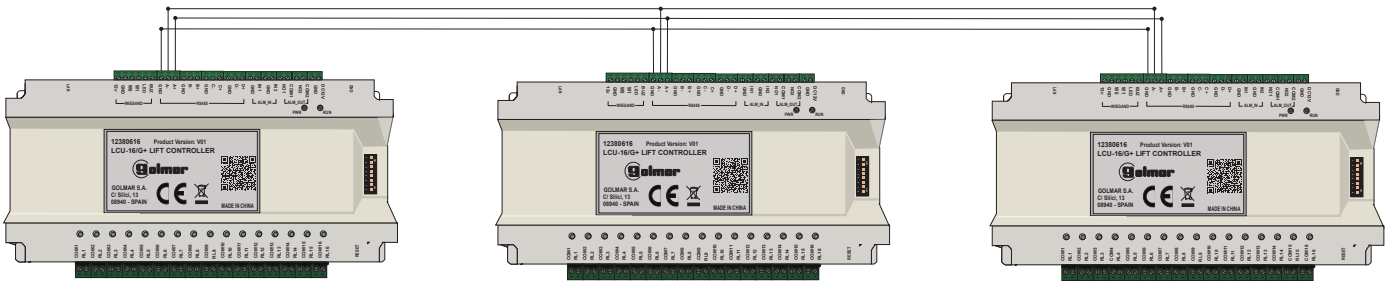
| DIP-SWITCHES CONFIGURATION | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | N OF UNIT |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | NOT IN USE | 1 or Master |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | | 2 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | | 3 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | | 4 |
| 1 | 0 | 1 | 0 | 0 | 0 | 0 | | 5 |
| 0 | 1 | 1 | 0 | 0 | 0 | 0 | | 6 |

## 4. DEVICE INSTALLATION

For the decive installation, first we must make sure that it is connected to the 12V power supply or, failing that, to a D4L-G+/PoE output.
In case only one lift controller unit is required ( until the 16th floor), we will configure the dip-switches so that is configured as unit number 1 or Master.
Reset the unit by pressing the reset pushbutton until the "PWR" led turns red and when it is operational again, access the web client through the web browser typing the 10.0.0.253 IP address.
In case you need to install more lift controler units (with each of them will increase in 16 the number of floors that we can reach) to reach a bigger number of floors, we will connect them through the "A+, A- y GND" ports.
Later, we will do the same procedure as in the case where there is only a slingle lift controller unit. We shall install and configure each of the lift controller units required in the installation one by one.
The device must be connected to the network through the LAN port by which it will only receive data, that is to say, it must be connected to a NON PoE output of the switch if we power it at 12V.

Necessary elements to complete an installation:

- FA-G+ power supply for each 8 devices (placas calle, monitores…).
- Make the distribution of the different devices through 4 distributed outputs D4L-G+/PoE distributors or via standard PoE switches.
- Choose 6502/G+ door panels, or a modular composition for the Nexa panel to be able to register all the units in it and set a video intercom system as such.
- Choose ART 1/G+ audio units, de ART 7/G+/48 video units, or ART 7W/G+/48 units with integrated Wi-Fi to receive calls through the G2CALL+ app (available for Android and IOS).
- Add ART 7/G+/PCM or ART 7W/G+/PCM video units if you wish that your indoor unit has a PCM/G+ private call panel.
- In case of a daisy-chain distribution of the devices (IN/OUT), employ DCP/G+ injectors, accompanied by FA-DC48/G+ power supply and DCS/G+ Ethernet switches in monitors.



Connection diagram for 3 LCU-16/G+ lift controller units connected in a daisy-chain distribution..

## 5. DEVICE OPERATION

To be able to use the LCU-16/G+ it will be necessary to enable it in every device of the installation, you can visit the installer manual of the different devices in the website of each prduct, accessing the “Downloads” dropdown..
There are two operation modes of the lift controller unit which will be detailed below:

- Basic mode:

  In this mode the device only enables the corresponding relay to the floor where is located the device which the magnetic key that is presented in the keybuss is associated, or when a door opening after a call from the entry door panel.

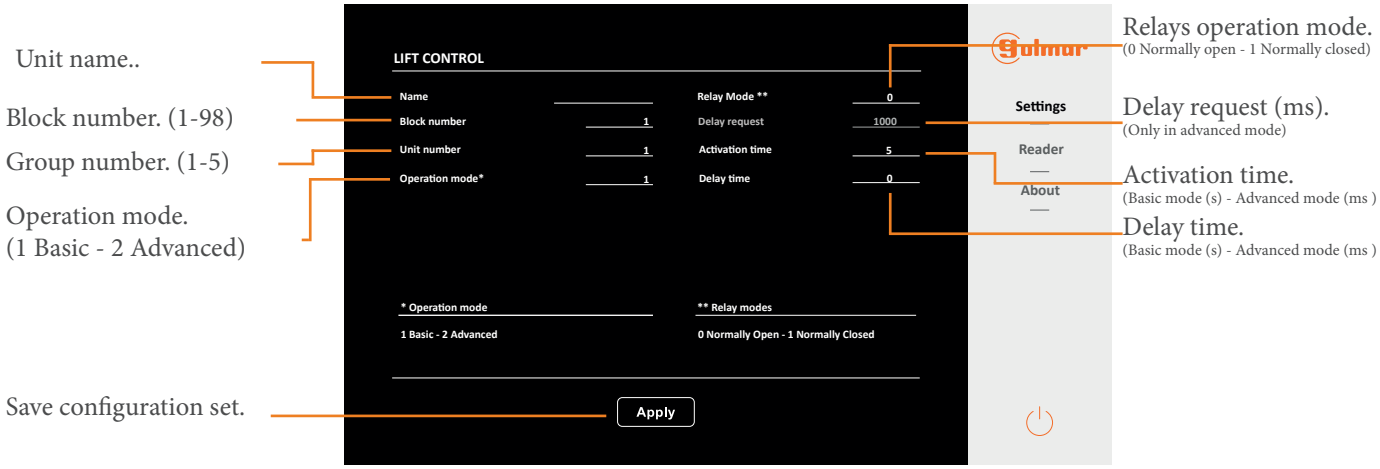
- Advanced mode:

  In the advanced mode, the lift controller unit enables the corresponding relays to the destination floor and origin floor. Those will be enabled when a magnetic key presentation in the entry panel RFID reader (relays of the entry panel and of the apartment number enabled), when a call to the lift from the apartment monitor (relay of the apartment floor number enabled twice), when invite your neighbor during an intercom process (relay of the guest apartment number and relay of the host apartment number enabled) and when a door opening in a call from the door entry panel (relays of the entry panel and of the apartment floor number enabled).

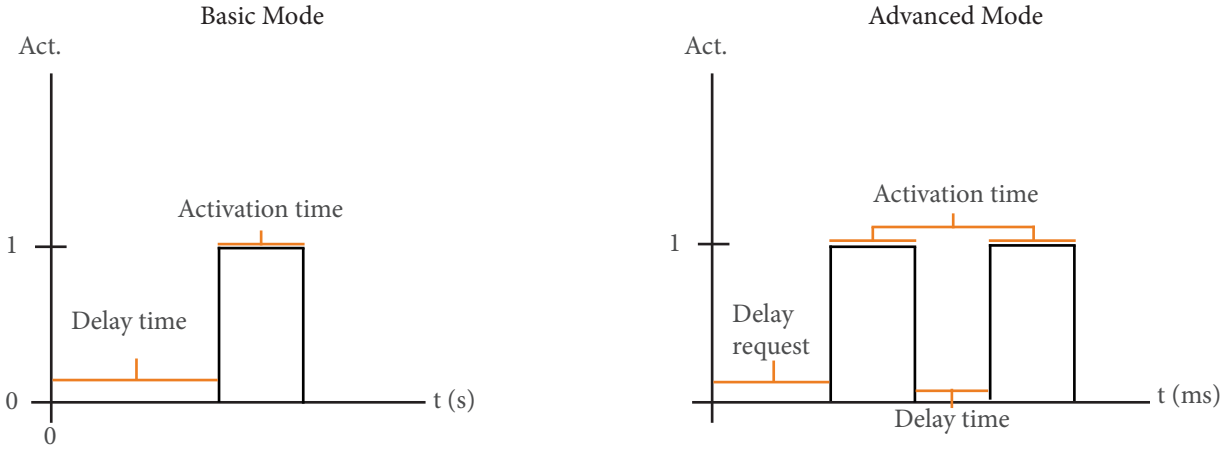
## 6. DEVICE CONFIGURATION THROUGH THE WEB CLIENT

to configure the device, it will be necessary to connect to its web client, as it is not possible to configure iton the device itself as it lacks a screen or button panel.
We will connect with the web browser to the device IP address, which will be the 10.0.0.253 as its settings are in factory default values.

### 5.1. Settings




### Explanatory graphic Activation-Time




Activation time (máx. 300s).

Delay time (máx. 120s).

Activation time (100 - 5000ms).

Delay time (100 - 5000ms).

Delay request (100 - 5000ms).

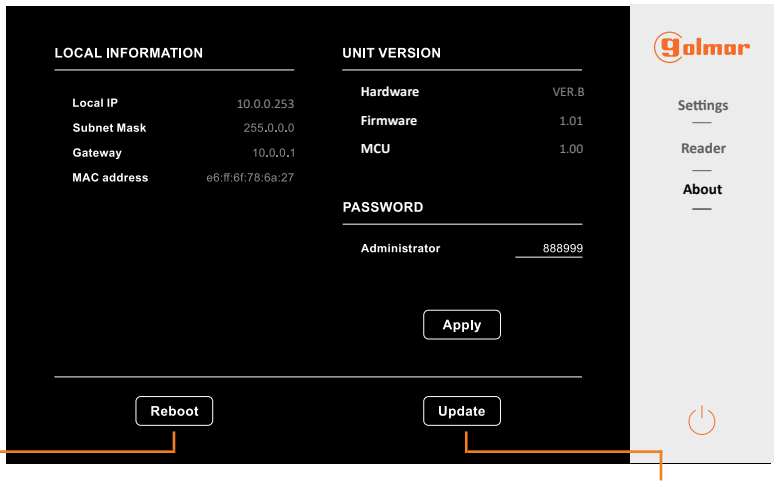
## 6.2. Reader

In the "Reader" section we can export the access card configuration for backup purposes and in case of lose the configuration, we can import it again.




## 6.3. About

In the "About" section we will find the information about the device configuration, as well as versions of hardware and firmware. We will be able to reset the unit and update its FW version.




Reset device.

Update firmware.




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