

Lift controller for systems with Plus / Uno digital installation

LCU-10/Plus



Instructions manual

TLCU-10/PLUS EN rev.0210

SYSTEM CHARACTERISTICS

- Lift control unit for systems with "Plus" or "Uno" bus installations:
 Audio system with 4 common wires installation.
 Video system with 3 common wires plus coaxial cable or 4 common wires plus twisted pair cable.
 10 relay outputs to control up to ten floors. In case of more floors, additional units can be used.
 N/C or N/O selectable (same operation for all relays).
 - CUp to 190 addresses (apartments) for each relay.
 - @Programmable delay time from 0 to 120 seconds (in one second steps).
 - C Programmable activation time from 1 to 300 seconds (in one second steps).
 - € Two common terminals.
 - ${\ensuremath{\mathfrak{C}}}$ Do not switch voltage and current higher than: 24Vac/1A and 24Vdc/1A.
 - CMaximum switching power: 24VA / 24W.
- ▷ N/C or N/O input for fire alarm.
- ➡ Three different operation modes.
- □ INH inhibition input.
- □ Requires 18Vd.c. power supply (FA-Plus/C).

UNIT AND POWER SUPPLY INSTALLATION



This lift controller is to be used on Golmar systems with "Plus" or "Uno" digital installation only.

We would like to recommend you to set switches n.4 (NO or NC relays), n.5 and n.6 (operation mode) and JP1 (NO or NC fire input) to the desired position, before to power the lift controller.

INH function is only available when using the lift controller with door panels containing EL540, EL530 or EL531 sound modules. Ask for technical assitance to use this function with Golmar panels not containing these sound modules (i.e. 6403/INOX or 7403/INOX).

Kindly note that the lift controller uses relays without latch. For this reason, if you have selected NC option, relays will change to NO position in case of power interruption.

This unit is activated when an apartment unit activates the door open function. Door open function activated from an access control or porter's exchange will have no effect on the lift controller.

OPERATION MODES

When an apartment activates the door open function, the lift controller activates the relay output assigned to this apartment. On systems with main and internal entrances, the lift controller can be inhibited when the apartment is in communication with the main entrance, by using INH input.

Operation modes are selectable through switches n.5 and n.6, as described on page 4. There are three different operation modes, that depends on how the relays are activated. Operation mode must be selected with the lift controller switched off.

In case of several lift controllers, each lift controller will operate as single unit, as there is no digital communication between them.

If the lift controller is combined with the fire alarm through the FC input, the lift controller will be inhibited in case of fire alarm and the relay outputs will be disabled. Once the fire alarm disappears, the lift controller will return to the normal operation mode, being the relays on the stand-by position.

□ OA operation mode.

In this operation mode, more than one relay can be active at the same time. Relays are activated after TD seconds from the door open activation, and during TA seconds. In case that one or more relays are already activated and a new activation request is coming, the lift controller will act as follows:

- If the new request is for a relay that's not yet processed, the new relay will be activated after TD seconds and during TA seconds.
- $\boldsymbol{\mathfrak{C}}$ If the new request is for an already processed relay:
 - € If the new request is arriving during TD, TD delay time will be restarted.
 - If the new request is arriving during TA, the lift controller will increase the activation time to (remaining TA) + TD + TA.

➡ OB operation mode.

In this operation mode, only one relay can be active at the same time. The several request are memorized in order of reception, and activated in the same order. In case that a relay receives more than one consecutive request, only the first request is to be executed. The internal memory can memorize up to 255 requests.

➡ OC operation mode.

In this operation mode, more than one relay can be active at the same time. The relays are activated in request order. All relays remain active till the last relay activation time expires.

LIFT CONTROLLER DESCRIPTION



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Note: SW1 switches are in OFF of factory default.

LIFT CONTROLLER PROGRAMMING



Continue

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Continue



Change the relay number and repeat the process.



INSTALLATION DIAGRAMS



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Lift controller unit can be connected anywhere on the installation. Relay outputs connections are shown on page 3.





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