T3301EN

rev.0304

Stand alone access control module

Stadio Plus

Instructions manual

INTRODUCTION

First of all we would like to thank and congratulate you for the purchase of this product manufactured by Golmar.

The commitment to reach the satisfaction of our customers is stated through the ISO-9001 certification and for the manufacturing of products like this one.

Its advanced technology and exacting quality control will do that customers and users enjoy with the legion of features this system offers. To obtain the maximum profit of these features and a properly wired installation, we kindly recommend you to expend a few minutes of your time to read this manual.

SYSTEM CHARACTERISTICS

- Stand alone access control module with numeric keypad.
- 12Va.c. and 18Vd.c. inputs, with 12Vd.c. battery input without charge management.
- Possibility to be combined with any of the 'Stadio Plus' system installations.
- 2 output relays of 8 activation codes each and independent panic code.
- 4, 5 or 6 digits programmable codes.
- Relay 1: n/c or n/o, single shoot or stable software programmable (60W maximum load).
- Relay 2: single shoot with three contacts (n/c or n/o with 60W maximum load).
- Programmable activation time from 1 to 20 seconds on single shoot mode.
- After introduction of three consecutive wrong codes, in a period of less than 15 seconds, the access control is disabled during 3 minutes. After this time, if 3 consecutives wrong codes are introduced again, the disabled time is doubled up to a maximum of 12 minutes.

INSTALLATION WITH 'STADIO PLUS' PANELS

- When combined on 'Stadio Plus' door panels, follow the assembly instructions supplied with the door panel and override the content of pages 2 and 3 of this manual. Wire and program the access control module as it's explained in this instructions manual.

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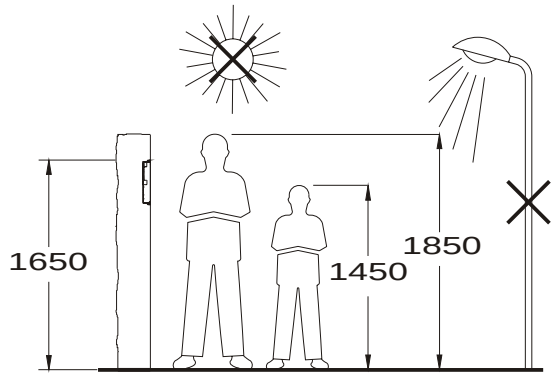
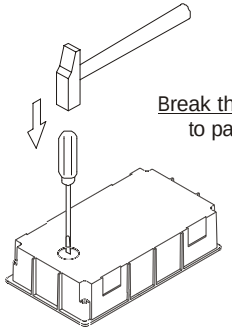
Embedding box positioning.



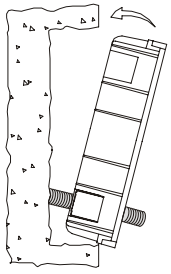
The upper part of the module should be placed at 1,65m. height roughly.
The hole dimensions are: 125(W) x 140(Al) x 57(D) mm.

The module has been designed to be placed under most of the environmental conditions.
However it's recommended to take additional cautions like rainproof covers.

Preparing the embedding box.

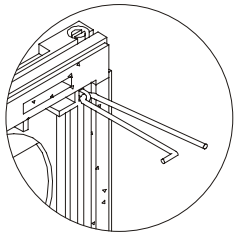


Break the bottom flange
to pass the cables through.



Pass the wiring through the hole made in the bottom part of the embedding box.
Level and flush the embedding box.
Once the embedding box is placed, remove the protective labels from the attaching door panel holes.

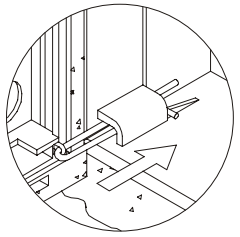
Hold the module on the embedding box.



Select a direction to open the module; this selection should ease the door panel wiring.
The opening direction will be settled through the hinges position, that must be passed through the header clips as shown.
For example, if the hinges are placed on both clips of the lower header, the module will open downwards; if they are placed on the right clips of both headers, the module will open to left.

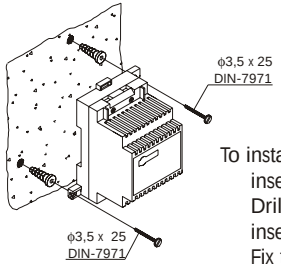
To hold the module on the embedding box, insert the hinges in the embedding box lockers as shown.

Fix the module by using the supplied screws.
Finish the module assembly by pressing the closing heads.



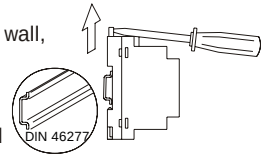
POWER SUPPLY INSTALLATION

Installing the TF-104 transformer.



The transformer must be installed in a dry and protected place. It's recommended to protect the transformer by using a thermo-magnetic circuit breaker.

To install the transformer directly on the wall, insert the fixing flanges.
Drill two holes of Ø6mm. and insert the wallplugs.
Fix the transformer with the specified screws.



The transformer can be installed on a DIN guide (3 units) simply pressing it.
To disassemble the transformer from the DIN guide, use a plain screwdriver to lever the flange as shown on the picture.

MODULE DESCRIPTION

Module description

Installation terminal connector is located on the rear part of the module. The correspondance of each terminal is as follows:

~, ~ : power supply input.
B+ : positif for battery.
B– : negatif for battery.
C1 : relay 1 common terminal.
N1 : relay 1 output terminal.
NC2 : relay 2 normally closed output.
C2 : relay 2 common terminal.
NA2 : relay 2 normally closed output.
P : panic output.

Jumper JP4, that's placed on the left side of the terminal connector allows to reset the installer PIN code to the factory default (see page 5).
Use this function only in case to forget this code.
With the system switched on, change the jumper position to reset the code and return it to the standby position.


Reset.


Standby.

MODULE PROGRAMMING

Programming methodes.

It will be necessary to enter into the programming menu to configure the system properties.
Two different programming menues are available: installer, that allows to modifiy any of the system properties and user, that only allows to change the relay activation codes, the user code and to disable the keypad acknowledgement signal.

Programming options with black text and white background are availables in both menues; options with white text and black background are only availables on installer menu.

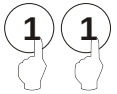
The module will automatically exit from the configuration menu after 2 minutes with no operation.

Enter and exit from programming.

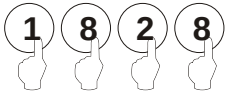
To enter into the programming menu, press key symbol and enter
the installer PIN code (factory default: 271828)
or the user PIN code (factory default: 314159).
To exit from the programming menu press key symbol at any moment.
On both cases, the module will reproduce 5 fast acoustic tones.

Programming structure and sequence.

To program the access control functions, it will be necessary to enter the function field followed by the corresponding value. Sometimes, this value will be predefined (i.e. relay 1 contact type) and sometimes will be selected by the installer.
Once into programming mode, the programming sequence is as follows:

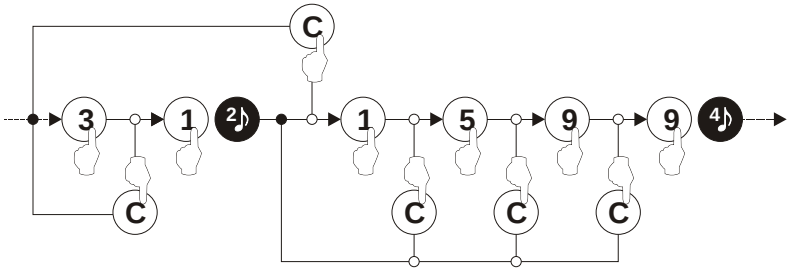


Enter the function field to be programmed: this is a 2 digits code. The module will reproduce a 2 slow acoustic tones.



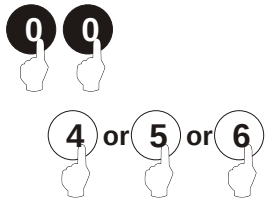
Enter the value of the function under programming. Once the value has been entered, the module will reproduce a 4 slow acoustic tones.
Enter the next function field to be programmed or press key symbol to exit from the programming mode.

If a wrong value has been introduced, press cancel key (C). The keypad will reproduce 1 large acoustic tone. If cancel key has been pressed during the introduction of the function field, even after the confirming tones, the function field must be entered again; if cancel key has been pressed during the introduction of the function value, introduce a new value.

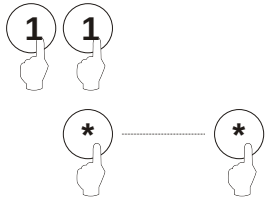


Function fields and values.

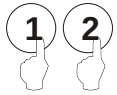
The module is delivered with factory default values: for security reasons, the relay activation codes are delivered with a non valid value. For a proper system operation, check that all the values match your requirements.
It's not necessary to program the functions in the same order as they are shown.



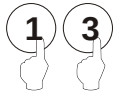
It defines the lenght of the relay activation codes.
Accepted lengths are 4, 5 or 6 digits.
Factory default: 4 digits.
Any modification of this value will delete the existing relay activation codes.



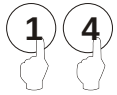
It defines the 1st activation code of the relay n.1.
Enter a code according with the number of digits defined on 00 field.



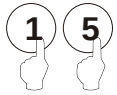
It defines the 2nd activation code of the relay n.1.
Proceed as detailed on 11 field.



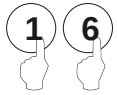
It defines the 3rd activation code of the relay n.1.
Proceed as detailed on 11 field.



It defines the 4th activation code of the relay n.1.
Proceed as detailed on 11 field.



It defines the 5th activation code of the relay n.1.
Proceed as detailed on 11 field.

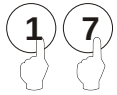


It defines the 6th activation code of the relay n.1.
Proceed as detailed on 11 field.

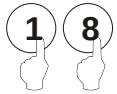
Continue

Coming from previous page

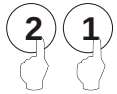
Function fields and values.



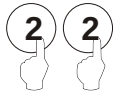
It defines the 7th activation code of the relay n.1.
Proceed as detailed on 11 field.



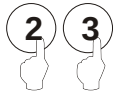
It defines the 8th activation code of the relay n.1.
Proceed as detailed on 11 field.



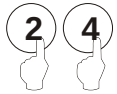
It defines the 1st activation code of the relay n.2.
Proceed as detailed on 11 field.



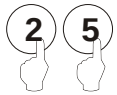
It defines the 2nd activation code of the relay n.2.
Proceed as detailed on 11 field.



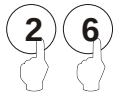
It defines the 3rd activation code of the relay n.2.
Proceed as detailed on 11 field.



It defines the 4th activation code of the relay n.2.
Proceed as detailed on 11 field.

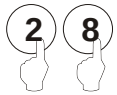


It defines the 5th activation code of the relay n.2.
Proceed as detailed on 11 field.



It defines the 6th activation code of the relay n.2.
Proceed as detailed on 11 field.

It defines the 7th activation code of the relay n.2.
Proceed as detailed on 11 field.

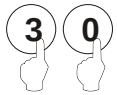


It defines the 8th activation code of the relay n.2.
Proceed as detailed on 11 field.

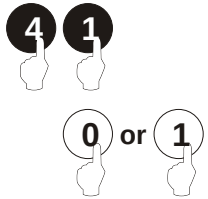
Continue

Coming from previous page

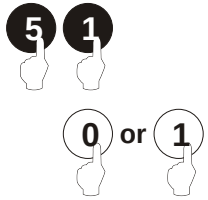
Function fields and values.



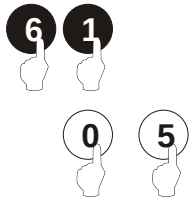
It defines the activation code of the panic function.
Proceed as detailed on 11 field.



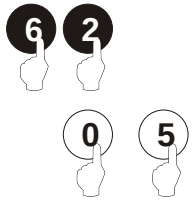
It defines the contact type of the relay n.1.
Select 0 for normally open operation.
Select 1 for normally closed operation.
In case of power supply failure and n/c operation, the relay will switch to n/o status.
Factory default: 0 (n/o).



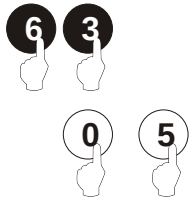
It defines the activation type of the relay n.1.
Select 0 for single shoot operation.
Select 1 for stable operation.
Factory default: 0 (single shoot).



It defines the activation time of the relay n.1.
Only valid when programmed as single shoot.
Select a value from 01 to 20 (seconds).
Factory default: 03 seconds.



It defines the activation time of the relay n.2.
This relay only operates as single shoot.
Select a value from 01 to 20 (seconds).
Factory default: 03 seconds.



It defines the activation time of the panic output.
Select a value from 01 to 20 (seconds).
Factory default: 03 seconds.

Continue

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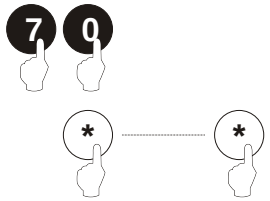
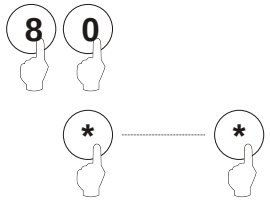
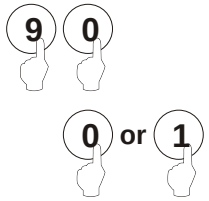
Function fields and values.



It defines the installer PIN code to enter into programming mode.
A 6 digits code must be always used. Once this code has been introduced, 2 acoustic tones will be heard: introduce the code again and 4 slow acoustic tones will be heard to confirm the changes.
Factory default: 271828.



It defines the user PIN code to enter into programming mode.
A 6 digits code must be always used.
Proceed as described on the previous field.
Factory default: 314159.



It allows to enable or disable the acoustic signal that's reproduced when a key is pressed. This function hasn't effect during programming mode.
Select 0 to disable this function.
Select 1 to enable this function.
Factory default: 1 (enabled).

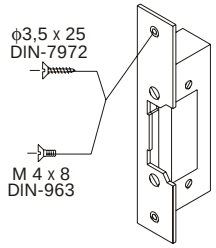
Duplicated codes.

It's possible to activate both relays simultaneously. Simply repeat one of the activation codes for both relays.

On systems that use the power supply module to activate the connected devices (i.e. two lock releases) simultaneously, the maximum load of this power supply must be calculated. If necessary, an additional power supply can be used to activate these devices. The connection of an additional TF-104 transformer, to activate a second lock release, is shown on page 12.

LOCK RELEASE INSTALLATION

Lock release installation.



If the lock release will be installed in a metal door, use a Ø3,5mm. drill and tap the hole. In case of wood door, use a Ø3mm. drill.

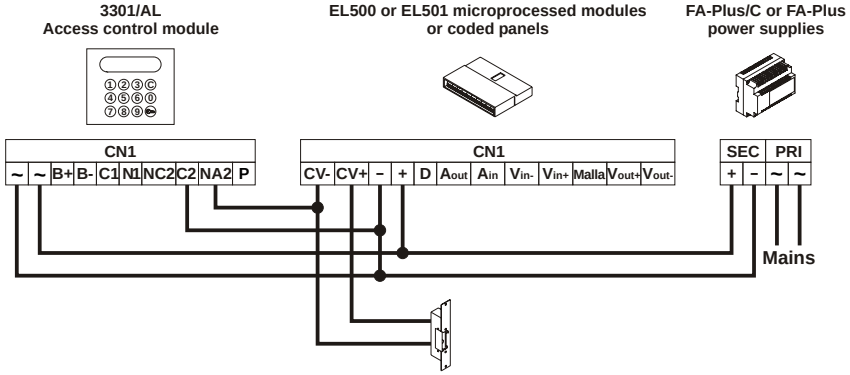
IMPORTANT: a varistor is supplied with the access control module. In case to connect an a.c. lock release in one of the relay outputs and in order to ensure a proper system operation, place the varistor on the lock release terminals directly.

SCHEMATIC DIAGRAMS

Combined on 'Stadio Plus' door panels.

The wiring of the access control module on 'Stadio Plus' door panels will depends on the installation type. Use the power supply connected to the door panel.

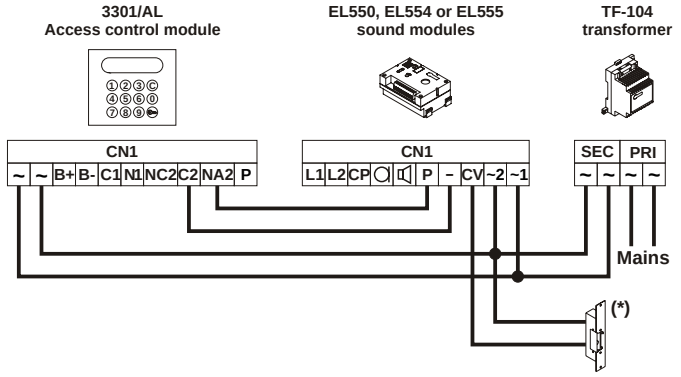
Audio and video systems with digital installation.



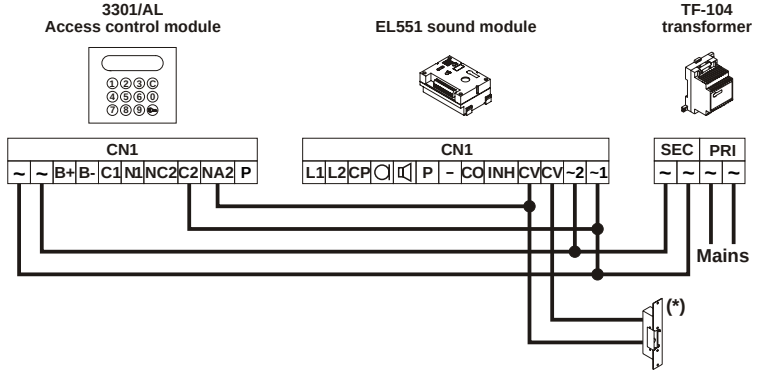
SCHEMATIC DIAGRAMS

Combined on 'Stadio Plus' door panels.

One access door audio systems with 4+'n' installation.



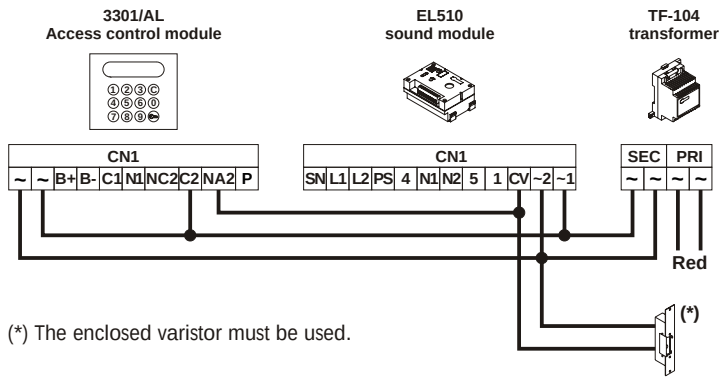
Several access doors systems with 4+'n' installation.



(*) The 4+'n' systems use 12Va.c. lock releases: the supplied varistor must be connected to the lock release.

Combined on 'Stadio Plus' door panels.

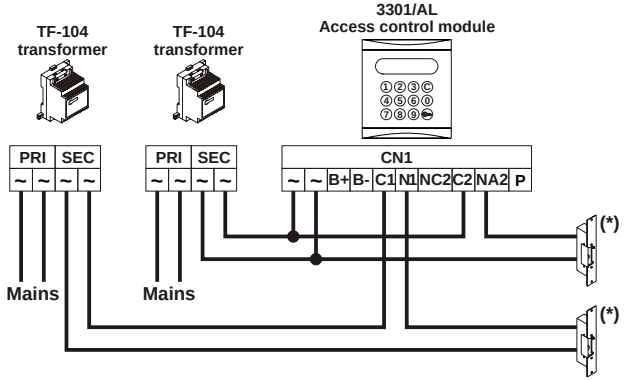
One access door audio systems with 1+'n' installation.



(*) The enclosed varistor must be used.

Stand alone operation.

The enclosed diagram uses a TF-104 transformer (12Va.c.) as access control module feeder.
(*) The enclosed varistor must be used when connecting a.c. lock releases.
The relay 1 operation depends on the programming and the relay 2 operation depends its wiring.
In case of simultaneous activation of two lock releases (see duplicated codes on page 41), an additional TF-104 transformer must be used.
In case of security lock releases with reversed operation (the lock release operates when no voltage is applied), connect the lock release between C2 and NC2 terminals, or program relay 1 as normally closed (see page 40).



Quick programming guide.

0	0	4							Codes lenght (4, 5 or 6 digits)
1	1								1st code, Relay 1
1	2								2nd code, Relay 1
1	3								3rd code, Relay 1
1	4								4th code, Relay 1
1	5								5th code, Relay 1
1	6								6th code, Relay 1
1	7								7th code, Relay 1
1	8								8th code, Relay 1
2	1								1st code, Relay 2
2	2								2nd code, Relay 2
2	3								3rd code, Relay 2
2	4								4th code, Relay 2
2	5								5th code, Relay 2
2	6								6th code, Relay 2
2	7								7th code, Relay 2
2	8								8th code, Relay 2
3	0								Panic code
4	1	0							Relay 1: N/O (0) N/C(1)
5	1	0							Relay 1: Single shoot (0) Stable(1)
6	1	0	3						Relay 1: Activation time (01 to 20s.)
6	2	0	3						Relay 2: Activation time (01 to 20s.)
6	3	0	3						Panic: Activation time (01 to 20s.)
7	0	2	7	1	8	2	8		Installer PIN code
8	0	3	1	4	1	5	9		User PIN code
9	0	1							Keypad tones: Off (0) On(1)

Gray text: factory default

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