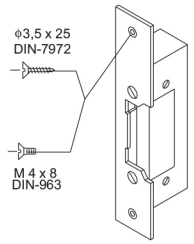
(*)INSTALLATION OF THE LOCK RELEASE

Installing the lock release:

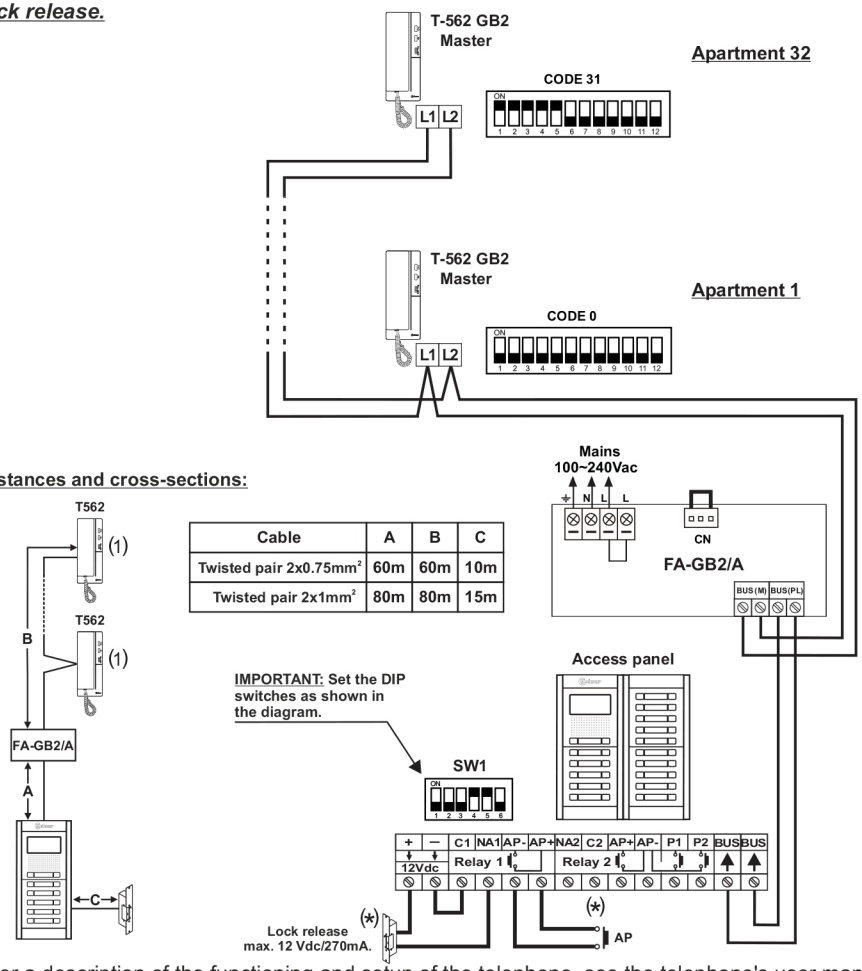
If the lock release is to be fitted to a metal door, use a Ø3.5mm drill bit and thread the hole made. For wooden doors, use a Ø3mm drill bit.

IMPORTANT: The lock release must be Golmar 12V AC or DC.



(*)WIRING DIAGRAM

Audio door entry system with 32 apartments/T562 GB2 telephones and Golmar d.c. lock release.

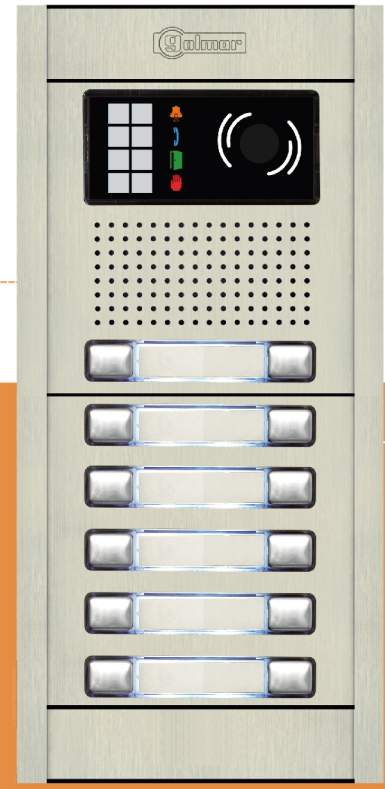


Distances and cross-sections:

Cable	A	B	C
Twisted pair 2x0.75mm²	60m	60m	10m
Twisted pair 2x1mm²	80m	80m	15m

(1) For a description of the functioning and setup of the telephone, see the telephone's user manual.

Nexa Modular GB2
2-Wire Audio Door Entry System



QUICK GUIDE

42 Central Drive - Farmingdale NY 11735-1202
P: 631-777-5500 | F: 631-777-5599
info@alphacommunications.com | http://alphacommunications.com

AWD232 (04/2017)

SAFETY PRECAUTIONS

- **Always disconnect the power supply** before installing or making modifications to the devices.
- The fitting and handling of these devices must be carried out by **authorised personnel**.
- The wiring must run at least **40 cm away from any other wiring.**
- On the power supply unit (FA-GB2/A):
  - Do not overtighten the screws on the connector.
  - Install the power supply unit in a dry and protected place free from the risk of water leaks or sprays.
  - Avoid locations that are humid, dusty or near heat sources.
  - Ensure that the air vents are free from obstruction so that air can circulate freely.
  - To avoid damage, the power supply unit must be firmly secured in place.
  - To prevent electric shock, do not remove the cover or handle the wiring connected to the terminals.

(*) CHARACTERISTICS

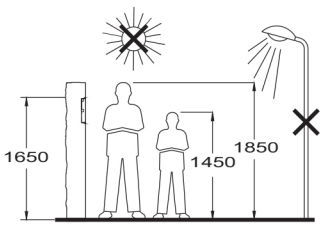
- Audio door entry system with simplified wiring (non-polarised 2-wire bus).
- Up to 4 access panels (DP-GB2A distributor required for more than one access panel) per installation.
- Up to 32 telephones and apartments with T-562/TNHEA telephones per installation and max. 4 telephones per apartment (EL642 GB2A set to 'operating mode 1').
- Up to 128 telephones and apartments with T562/TNHEA telephones per installation and max. 1 telephone per apartment (EL642 GB2A set to operating mode 2 'audio only').
- Call confirmation tone.
- Visual signals on the door panel for people with impaired hearing (indicating call process, communication, door open and channel busy).
- Audible signals on the door panel for people with impaired vision (indicating call in progress, missed call, door open, call finished and engaged).
- Operating modes can be set on the EL642/GB2A sound module.

SYSTEM OPERATION

- To make a call, the visitor must press the button of the apartment; an audible sound indicates that the call is being made and LED will turn on. If vocal synthesis is enabled, a 'Call is in progress' message appears indicating that a call is being made. At this moment the apartment's telephone(s) receive(s) the call. If another apartment is called by mistake, press the button for the correct apartment and the first call will be cancelled.
- The call lasts for 40 seconds. If the call is not answered within 40 seconds, LED will turn off and the channel will be freed.
- To establish communication, lift the handset of any telephone in the apartment. Door panel LED will turn on.
- The communication will last for one and a half minutes or until the handset is replaced. When communication has finished, LEDs and will turn off and the channel will be freed. If vocal synthesis is activated, a 'Communication is finished' message will indicate that the call is over.
  If the door panel has an EL3002 GB2/H module with icon displayed on the front, the LED of the EL3002 GB2/H module will illuminate. Make sure that the hearing aid is 15-25 cm away from the door panel to ensure maximum audio quality during communication with the apartment.
- To open the door, press button (if it exists and, to open the second door, press button AUX) during the call or communication processes: one press activates the lock release for five seconds and LED will also turn on for five seconds. If vocal synthesis is enabled, a 'Door Opened!' message will be indicated on the door panel.
- For a description of the functioning and setup of the telephone, see the telephone's user manual.

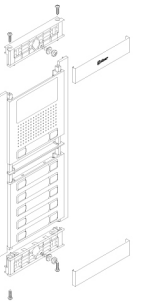
(*) For more information, see the EL632/GB2A User Manual:
http://alphacommunications.com/AWD233

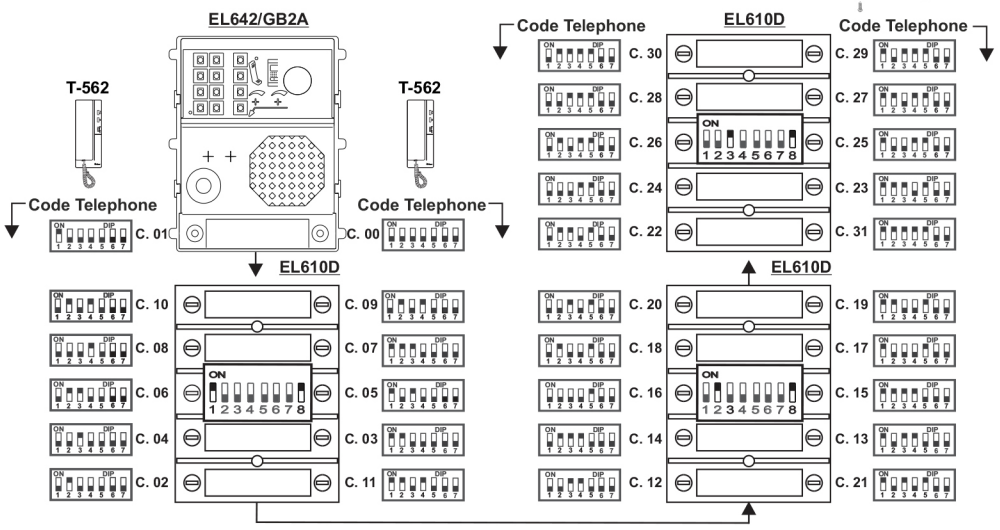
(*) INSTALLATION OF THE DOOR PANEL



Embedding box dimensions:

Modules Model	1 NCEV90CS	2 NCEV90C	3 CEV90
W (width)	99	99	99 mm.
H (height)	135,5	238	328 mm.
D (depth)	40	56	56 mm.





(*) ***Description and settings:***

- EL642/GB2A sound module operating mode settings.
- Description of the visual signals on the door panel.
- Description of the vocal synthesis (audible signals on the door panel).
- Adjusting the vocal synthesis language/volume and contact type for relay1/relay2.

(*) ***Adjusting the door panel communication volume.***

To adjust the audio volume on the door panel, perform the following steps:

- Call an apartment.
- When the call is received in the apartment, establish communication by picking up the telephone handset.
- Then press the button used to call the apartment for 3 seconds until a number of confirmation tones are heard and the door panel communication LED starts to blink.
- Each press on the call button will increase the door panel volume and blink speed of LED . There are 5 volume settings and the blink speed of LED will increase for each. Slow to fast blink - low to high volume. After reaching setting 5, maximum blink speed and volume, the next setting is 1, minimum blink speed and volume (carousel mode).
- To save the volume setting keep the button pressed until a number of confirmation tones are heard and the door panel communication LED turns off.

(*) For more information, see the EL632/GB2A User Manual:
http://alphacommunications.com/AWD233