Audio
door entry system
Kits
4+'n' wires installation

Stadio Plus

Instructions manual

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

- ▻ Audio system with 4 + N wires installation.
- ▻ Just 1 TF-104 transformer (12Va.c., 1.5A).
- ▻ Electronic call with acoustic acknowledgement signal.
- ▻ a.c. lock releases activation.
- ▻ Up to three telephones in the same apartment.

SYSTEM OPERATION

- ▻ To make a call the visitor should press the push button corresponding to the apartment he wishes to contact. An acoustic tone will be heard confirming the call as the push button is pressed. At this moment the call will be received at the telephone in the dwelling.
- ▻ To establish communication pick up the telephone handset.
- ▻ To open the door, press the door release push button at any moment.

STARTING RECOMMENDATIONS

- ▻ Do not use excessive force when tightening the transformer connector screws.
- ▻ Install the equipment without the power connected. Disconnect from power before any system modification. Check that the input voltage is lower than 230Va.c.
- ▻ Before to connect the system, check the connections between door panel and telephones, and the transformer connection. Do always follow the enclosed information.

Installing the TF-104 transformer.

φ3,5 x 25
DIN-7971

φ3,5 x 25
DIN-7971

DIN 46277
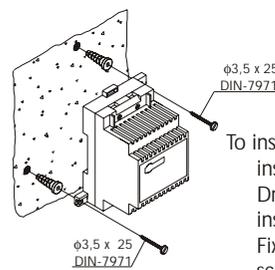
The transformer must be installed in a dry and protected place. It's recommended to protect the transformer by using a thermo-magnetic circuit breaker.

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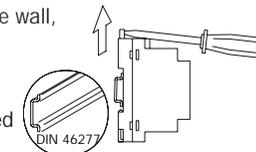
The transformer can be installed on a DIN guide (3 units) simply pressing it.
To disassemble the transformer from the DIN guide, use a plain screwdriver to lever the flange as shown on the picture.

DOOR PANEL INSTALLATION

Embedding box positioning.

1650   1450   1850
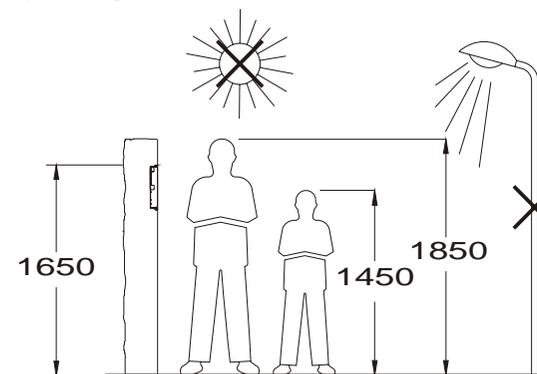
The upper part of the door panel should be placed at 1,65m. height roughly. The hole dimensions will depend on the kit to be installed.

1 or 2 push buttons kits: 125(W) x 140(H) x 56(D) mm.
3 to 10 push buttons kits: 125(W) x 220(H) x 56(D) mm.

The door panel has been designed to be placed under most of the environmental conditions. However it's recommended to take additional cautions like rainproof covers.
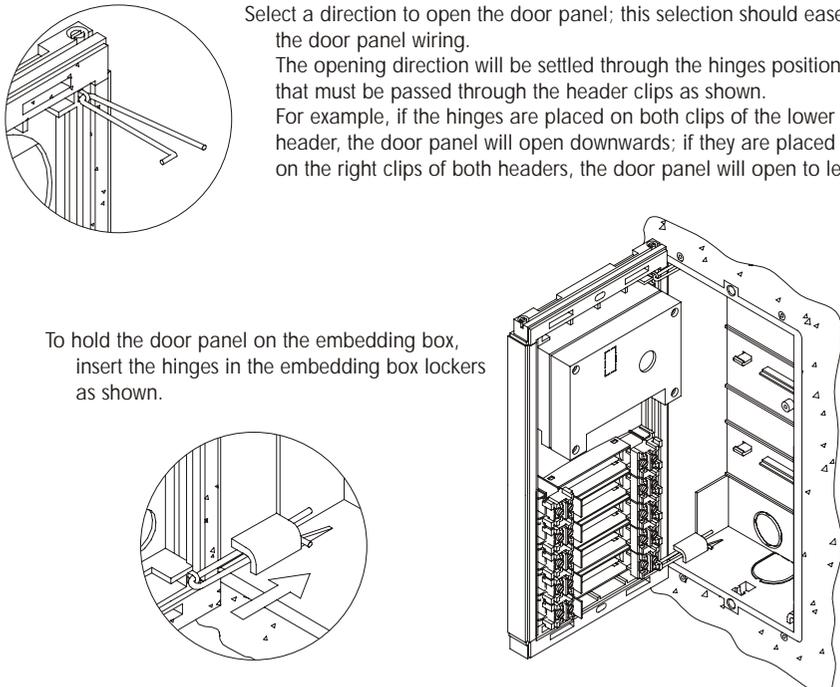
Preparing the embedding box.
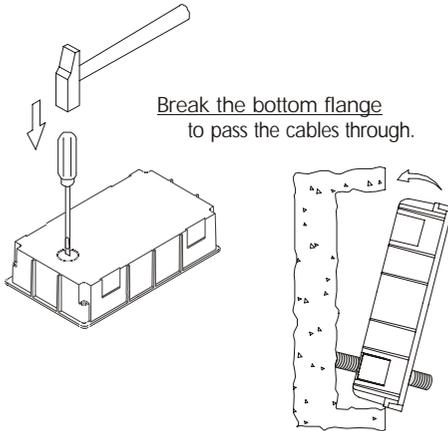
Break the bottom flange
to pass the cables through.

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 door panel on the embedding box.

Select a direction to open the door panel; 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 door panel will open downwards; if they are placed
on the right clips of both headers, the door panel will open to left.

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

Place the nameplate labels.
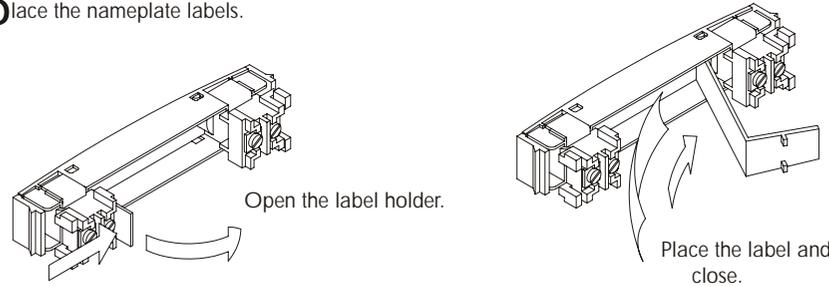
Open the label holder.

Place the label and
close.

Final adjustments.

Once the nameplate labels are placed, wire the
lamps from different modules and connect them
to terminals L1 and L2 of the sound module,
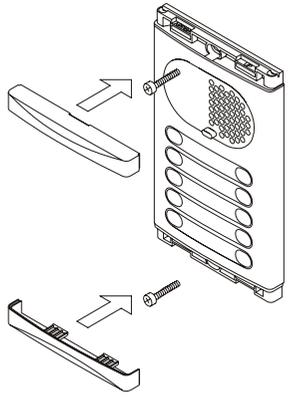as it's shown on the installation diagrams.

If after starting the system it's considered that the audio
volume isn't correct, proceed with the necessary
adjustments as shown.
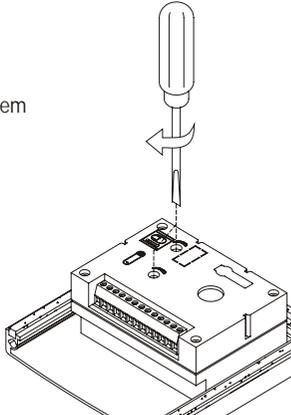
Close the door panel.

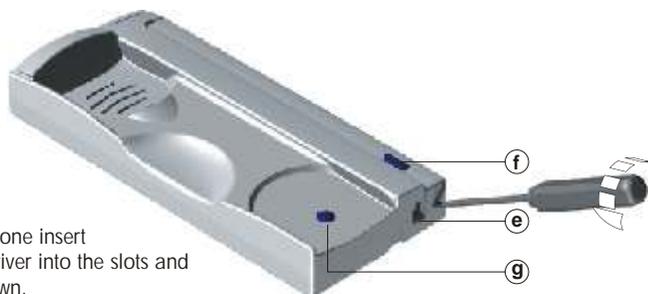Fix the door panel by using the supplied
screws.

Finish the door panel assembly by pressing
the closing heads.

Description of the T-900 telephone.

a. Telephone handset.
b. Speaker grille.
c. Microphone hole.
d. Subjection hole.
e. Telephone cord connectors.
f. Door release push button.
g. Hook switch.

To open the telephone insert a plain screwdriver into the slots and rotate it as shown.

Avoid to place the telephone near to heating sources, in dusty locations or smoky environments.
The telephone can be fixed using an electrical embedding box or directly on the wall, as shown on the picture.
If the telephone will be installed directly over the wall, drill two holes of Ø6mm. on the specified positions, using 6mm. wallplugs and Ø3,5 x 25mm. screws.
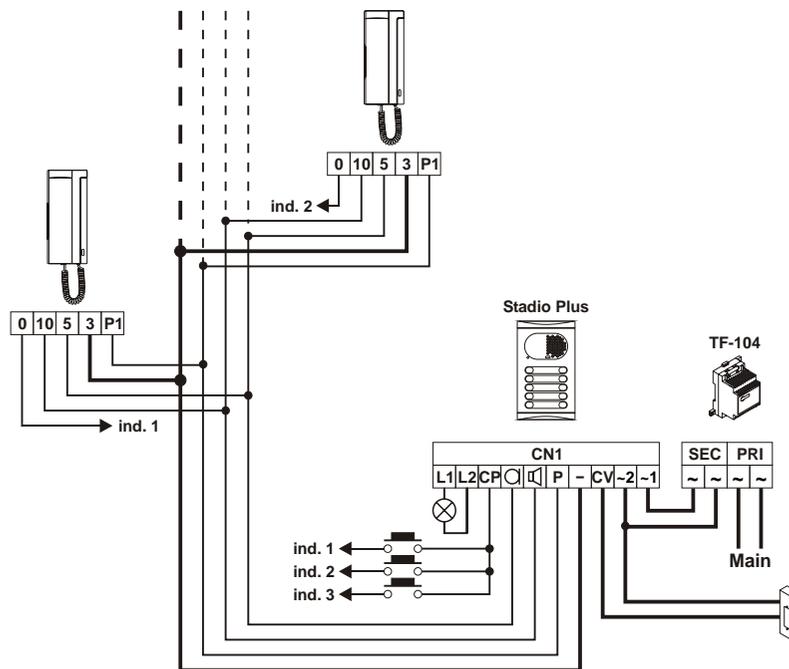
Pass the installation wires through the corresponding hole and connect them as shown on the installation diagrams.

Close the telephone as shown on the picture.
Once the telephone is closed, connect the handset using the telephone cord and put it on the craddle.
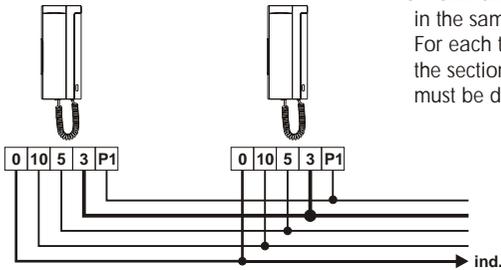
One access door.

Stadio Plus

TF-104

0 | 10 | 5 | 3 | P1

ind. 2

0 | 10 | 5 | 3 | P1

ind. 1

CN1

L1 | L2 | CP | ◁ | ◁) | P | – | CV | ~2 | ~1

SEC | PRI
~ | ~ | ~ | ~

ind. 1
ind. 2
ind. 3

Main

SECTIONS CHART

Sections chart.

Terminal	Maximum distance	
	100m.	300m.
0, ind, 5, ◁, 10, ◁), P, P1	0,25mm²	0,50mm²
–, 3	0,50mm²	1,00mm²
~1, ~2, CV	1,00mm²	2,50mm²

For longer distances than the specified contact with your distributor.

Parallel telephones installation.

The maximum number of telephones placed in the same apartment is three.
For each telephone placed in parallel the section corresponding to the call wire must be doubled.

| 0 | 10 | 5 | 3 | P1 |

| 0 | 10 | 5 | 3 | P1 |

→ **ind.**

External lock release activation.

The lock release can be activated at any moment by using an external push button, that must be connected between '–' y 'P' terminals of the main module.
This function will allows to exit from the building being not necessary the use of a key.

| L1 | L2 | CP | ◯ | ◖ | P | – | CV | ~2 | ~1 |
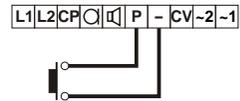
TROUBLESHOOTING HINTS

☞ Nothing operates.
   ✆ Check the output transformer voltage between SEC terminals: it should have 12 to 17Va.c. If not, disconnect the transformer from the installation and measure again. If it's correct now, it means there is a short circuit in the installation: disconnect the transformer from mains and check the installation.
☞ Inappropriate audio level.
   ✆ Adjust the level volumes as shown on page 4. In case of feedback, reduce the audio levels until feedback fade out.
☞ Door open function no operates.
   ✆ Disconnect the lock release from the sound module and short-circuit terminals '–' and 'P': at that moment the output voltage between terminals 'CV' and '~2' of the sound module should be 12Va.c. If it's so check the lock release, its wiring and the wiring of the terminal 'P' from the sound module to the telephones. If these tests don't solve the problem, replace the sound module.
☞ No telephones receive the call or acknowledgement call signal is not reproduced.
   ✆ Check that the push buttons common terminal are correctly connected to the 'CP' terminal of the sound module.

Golmar reserves the right to make any modifications without prior notice.