General Information

- Door Status input
- Door Strike Output
- F1-F2 Functions
- Vandal resistant
- Stainless Steel construction
- Includes crystal clear Speaker/Mic
- Includes Hi res color CCD Camera with integral illuminators

Specifications

Call Origination: Pushbutton per apartment
Speaker/Mic: Speaker and electret mic full duplex
Camera: Hi-res CCD with IR illuminator
Mounting: with 9092 boxes Flush
with IE21 Surface mount
Construction: Stainless Steel
Directory: Name tag per button
Camera Aperture: Mirrored lexan window with frosted diffuser for infrared illuminator
Dimensions: Bsse Modules: 4.36” Wx 11.5” H
Flush: 1.5” D
Surface 2.75” D

Architects and Engineers Specification

The Entry panel shall be durable and aesthetically pleasing. An pushbutton per apartment with name tag shall be provided. The panel shall be constructed of Stainless Steel. The panel shall include speaker mic and Hi resolution color (625 line) camera with integral illuminators. Electronic control of volume shall allow the entry panel to be adjusted while installed to permit the best possible setting. Panel shall have an input for door status and an output for door release. Panel shall be recess or flush mounted using option back boxes.
DESCRIPTION

Types 12F3 and 12F5 comprise respectively an electronic base unit for the assembling of two models of entrance panels.

12F3 audio electronic module with conventional push-buttons (single or double row)

12F5 video electronic module with colour camera and conventional push-buttons (single or double row)

To expand the number of calls, requires installation and subsequent programming of additional modules type 12TS (for entrance panels with push-buttons in single row, from 5 or more calls) or type 12TD (for push-buttons in double row, from 9 or more calls), see Fig. 11, 12 on page 8.

The abovementioned electronic units are to be used with plates and components of the 1200 series, separately sold.

Each push-button in the electronic units can generate different call codes with values from 1 to 200. The entrance panels are designed to operate either alone or with other entrance panels. In any event one must be set as a Master entrance panel and the others as Slave.

The front of the electronic unit (see Fig. 2, detail A) is fitted with the following adjustments:

- Voice line balancing control
- External volume
- Internal volume

The entrance panel is equipped with 6 push-buttons for the base programming phase. The base programming of the entrance panel is carried out without installing the front plate, so as to reach all the 6 push-buttons. The serigraph close to each push-button ease this operation.

For the advanced programming of the entrance panel use the programming module type 950C or PC Software SaveProg Type 69CD via the interfaces Type 692I or Type 692I/U.

The volume adjustment may cause the LARSEN effect (whistle); in this event operate on trimmer 1 (Balance) to avoid the whistle or decrease one or both volumes (Fig. 2, detail A).

To the audio entrance panels an external camera type CCTV can be connected; in this case it must be programmed as video camera. The video cameras can be used indifferently either in colour either in B/W installations.

INSTALLATION

The assembling and the installation of the electronic units for the 1200 series plates require the following phases:

1. Define the plate for the electronic base unit and possible additional plate (see push-button plates on page 3, components).
2. Define the back boxes and the frames for the surface wall-mount installation (see page 4, accessories).
3. Install the flush-mount or surface wall-mount back boxes with the upper edge at a height of approx. 1,65 m from the ground (Fig. 1).
4. Fix the rainproof covers to the back boxes.
5. Fix the terminal box of the base module to the module holder frame of the entrance panel.
6. Connect the terminal block to the system as shown in the wiring diagram.
7. Fix the module holder frame.
8. Connect the electronic unit of the base module to the additional modules, if any (extension of the push-button number).
9. Insert the electronic unit and the additional modules in the module holder frames of the entrance panels.
10. Insert the microphone of the electronic base unit in the module holder frame of the entrance panel (Fig. 9, Part 1).
11. Insert the external plate of the electronic unit in the module holder frame and the additional entrance panels in the remaining module holder frames.
12. Close the panel.

STANDARD MODULES

The standard modules consist of: an electronic unit and a connection terminal block.

The electronic unit is equipped with a speech unit, camera (on video versions), wiring for terminal block connections, wiring for connection of additional modules and 8 call push-buttons, 6 of which are used for standard programming.

The standard electronic units for colour video panels are equipped with a camera with a 1/4” CCD sensor, fixed 3 mm lens and white light indicator LED. All cameras can be tilted manually, horizontally and vertically, on removal of the entrance panel external plate.

Example of standard module with camera.

### Terminal block

| CN1 | Connector for electronic unit. |
| CN2 | Connector for programmer type 950C. |
| B2 | 2-wire Bus (cable riser). |
| F2 | 2-wire Bus (cable riser). |
| EXT(+) | External power supply (+ type 6923). |
| EXT(-) | External power supply (- type 6923). |
| VLED | LED power supply for additional modules. |
| X | Video input (coaxial core), for external camera (for type 89F8 only). |
| M | Video input (coaxial sheath), for external camera (for type 89F8 only). |
| PA | Input for door open sensor (with reference to terminal M). |
| CA | Door open control (with reference to terminal M). |
| S+ | 12Vdc lock output (+). |
| S- | 12Vdc lock output (-). |
| +12V | +12V output (max 100 mA) with PTC protection. |
| L | External camera pilot, open collector output. |
| SR | Lock pilot via relay, open collector output. |
| F2 | F2 function pilot via relay, open collector output. |
| F1 | F1 function pilot via relay, open collector output. |
| M | Ground. |

* The panel supplies a current peak IT> 1A for 10 mS, followed by a hold current Ith= 200mA for the entire duration of the lock control (see lock time).
HEIGHT OF 2-MODULE ENTRANCE PANELS

HEIGHT OF 3-MODULE ENTRANCE PANELS

ACCESSORIES: FLUSH-MOUNTED BACK BOXES

Box width 88mm for 1 horizontal module and 50 mm depth.

Type 9092, 9192
For 2 additional modules.
Height: 2 vertical modules (9.75in)

Type 9093, 9193
For 3 additional modules.
Height: 3 vertical modules (14.25in)
1200 SERIES AUDIO/VIDEO ENTRANCE PANELS (TWO/THREE MODULES)

- Two-module entrance panels

- Three-module entrance panels

- Three-module entrance panels with street number holder
ADDITIONAL ENTRANCE PANELS

The additional entrance panels with traditional type push-buttons are connected to the electronic base units type 12F3 and 12F5 to extend the number of push-buttons. Modules type 12TS (for entrance panels with push-buttons in single row) or type 12TD (for push-buttons in double row), which are inserted in the frames under the plates, are connected one after the other by means of the wiring supplied with the modules. They are then connected to the standard electronic unit by means of the wiring in the lower section of the unit Fig. 2). Modules type 12TS, 12TD are not supplied as standard with the plates.

- Two-module additional entrance panels

- Three-module additional entrance panels
ENTRANCE PANEL WITH TRADITIONAL PUSH-BUTTONS: INSTALLATION

FLUSH-MOUNTED ENTRANCE PANEL INSTALLATION WITH RAIN-PROOF COVERS.
Assembly of flush-mounted entrance panel requires the use of the flush-mounted back boxes type 9092 (9192), 9093 (9193) respectively for 2 or 3 electronic modules mounted vertically (Fig. 4 and 5).

If the entrance panel uses more than one flush-mounted back box, the rainproof covers must also be used (see push-button plates: accessories on page 4, series 1Pxx), according to the number of modules fitted vertically or horizontally.

Note: Back boxes type 9092 and 9192 or 9093 and 9193 cannot be matched between them but only between: 9092 with 9092, 9192 with 9192 or 9093 with 9193 and 9193.

Warning: during installation of back box type 9192 it is necessary to insert the cover supplied in order to avoid possible deformation of the box itself.

Installation:
- If the installation requires a combination of several back boxes, use the hooks supplied with the back boxes to secure them together (Fig. 6).
- Install the back box with the upper edge at a height of approx. 1.65 m from the ground (Fig. 1).
- Fix the terminal block of the electronic unit under the module holder frame by means of the screws supplied (Fig. 7).
- Fix the rainproof cover to the flush-mounted back box using the screws supplied (Fig. 7).
- Fix the module holder frames to the frames and the back boxes (Fig. 7).
- Connect the terminal box of the electronic unit to the system.
- Connect the electronic unit to the terminal block by means of the wiring on the upper section (Fig. 2).
- Connect the additional entrance panels (Fig. 11), if any.

The connection of more additional modules may require an additional power supply Type 6582 for the LED supply voltage.
- Insert the electronic unit and the additional modules in the module holder frames. Use the separator supplied with the additional modules to keep them joined (Fig. 12).
- Insert the microphone in the lower right section of the module holder frame (Fig. 9 - part. 1).
  Pay attention that the microphone cables are inserted in the external slot of the electronic module (Fig. 9A, 9B).
- If necessary, remove the white cover of push-buttons, of the electronic unit and of the additional modules.
- Perform the programming phases.
- Reinsert the push-button protection.
- Close the entrance panel, attaching the plate first from the upper section and then securing the lower section by means of the special key on the head section.
- To remove the name-tag: Press lightly with the fingers to remove the name-tag placed on the rear section of the push-button plate (Fig. 10).

SURFACE WALL-MOUNTED ENTRANCE PANEL INSTALLATION
Assembly of the surface wall-mounted entrance panel requires the use of the back boxes series 1Exx.

Installation:
- Fix the electronic unit terminal block under the module holder frame by using the screw provided (Fig. 8).
- Fix the module holder frames to the frames and back boxes (Fig. 8).
- Connect the terminal block of the electronic unit to the system.
- Connect the electronic unit to the terminal block by means of the cable present on the upper section (Fig. 2).
- Connect the additional modules, if any (Fig. 11).

The connection of more additional modules may require an additional power supply Type 6582 for the LED supply voltage.
- Insert the electronic unit and the additional modules in the module holder frames. Use the separator supplied with the additional modules to keep them joined (Fig. 12).
- Insert the microphone in the lower right side of the module holder frame (Fig. 9 - part. 1).
  Pay attention that the microphone cables are inserted in the external slot of the electronic module (Fig. 9A, 9B).
- If necessary, remove the white cover of push-buttons, of the electronic unit and of the additional modules.
- Perform the programming phases.
- Reinsert the push-button protection.
- Insert the module plates in the modules holder frames (Fig. 8).
- Close the entrance panel, attaching the plate first from the upper section and then securing the lower section by means of the special key on the head section.
- To remove the name-tag: Press lightly with the fingers to remove the name-tag placed on the rear section of the push-button plate (Fig. 10).
Type 12TS in panels with push-buttons in single row (from 5 or more calls). Type 12TD in panels with push-buttons in double row (from 9 or more calls).

Type 12F3, Type 12F5

Type 12TS o 12TD