

Matrix

Security in
technology

Matrix

Solid and antivandal modular door station series, elegant and reliable with push buttons and modules in stainless steel. Matrix is conceived to be resistant to breaking, water spout and solid penetration, it's guaranteed by IP45 degree for solid items introduction protection and by IK09 degree for mechanical shocks. All the modules are backlit thanks to green LED's for easy identification especially in poorly illuminated situations. The modularity allows installations of great number of users and configurations in vertical or horizontal way. The range is complete with aluminium die cast frames, rain shelters and built-in boxes. In a single module can be integrated push button, door speaker and camera, so that Matrix can be the ideal solution starting from one-way installations up to the most complex cases.

CCD CAMERA MODULES

with orientable lens with 6 LED's and autoiris with electric door speaker integrated. All are with coax cable except for MA43ED



MA42

With door speaker

camera | black/white / fixed 3.6 mm lens

l w x h | 115 x 115



MA43

With door speaker and 1 chime button

camera | black/white / fixed 3.6 mm lens

l w x h | 115 x 115



MA42C

With door speaker

camera | colour / fixed 3.6 mm lens

l w x h | 115 x 115



MA43C

With door speaker and chime button

camera | colour / fixed 3.6 mm lens

l w x h | 115 x 115



MA43ED

With door speaker and chime button

for 4+1 electronic call video system without coaxial cable

camera | black/white / fixed 3.6 mm lens

l w x h | 115 x 115



VIDEO INTERCOM COMPOSITION

MODULES WITH DOOR SPEAKER INTEGRATED

for audio systems with electronic or alternate current call and for Digital System FN4000.



MA10P

Without call button

l w x h | 115 x 115



MA11P

With 1 call button

l w x h | 115 x 115



MA12P

With 2 call buttons

l w x h | 115 x 115,

ADDITIONAL BUTTON MODULES



MA22

With 2 call buttons

l w x h | 115 x 115



MA24

With 4 call buttons

l w x h | 115 x 115

OTHER MODULES



MA20

blank module

l w x h | 115 x 115



241DMA

4 diode module to be inserted in button modules MA22, MA24 for reduced wire technology.



**VIDEOINTERCOM COMPOSITION
WITH DIGITAL CHIME**

DIGITAL EXTERNAL DOOR STATIONS DUO system DUO system color

TD2100MA

Digital door station
| w x h | 115x115

Digital door station, with stainless steel front plate and 14 buttons. Equipped with 16-digit display on 2 lines. It allows the call from the user by dialling the corresponding number and electric lock release by entering the private code. The electronic index is also integrated, which gives the possibility to scroll the names in alphabetical order and select the desired one. It contains up to 250 name users.

CONVENTIONAL EXTERNAL DOOR STATIONS DUO system DUO system color



CD2132MA

Digitizer
| w x h | 115x115

Digitizer for Duo System with 2 call buttons. It is contained in a single module and allows to code up to 63 users.



CD2134MA

Digitizer
| w x h | 115x115

Digitizer for Duo System with 4 call buttons. It is contained in a single module and allows to code up to 63 users.

AUDIO AND CAMERA MODULES DUO system DUO system color



VD2120CMA

Audio-video module
| w x h | 115x115

Colour camera with 3.6 mm fixed lens without call buttons with door speaker integrated.



VD2120MA

Audio-video module
| w x h | 115x115

B/w video external door station for Duo System. Camera is equipped with fixed 3.6 mm lens.



AD2110MA

Audio module
| w x h | 115x115

Audio external door station for Duo System, with no call button.



MA22S

Button module
| w x h | 115x115

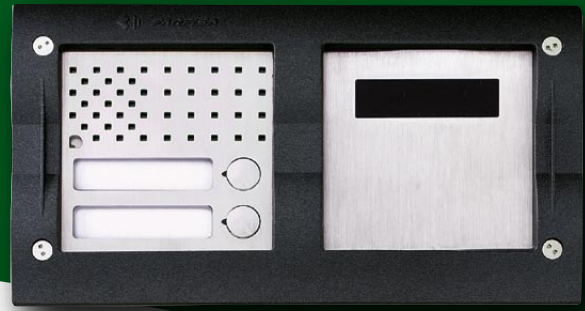
Additional button module with 2 call buttons to be combined with CD-2132MA or CD2134MA. Encoding board for 2 buttons integrated.



MA24S

Button module
| w x h | 115x115

Additional button module with 4 call buttons to be combined with CD-2132MA or CD2134MA. Encoding board for 4 buttons integrated.



INTERCOM COMPOSITION FN4000

DIGITAL DOOR STATIONS FN4000



TD4100MA

Digital door station
| w x h | 115 x 115

Digital door station of Matrix series with front plate and 14 Key in stainless steel. It is equipped with 16 characters on 2 lines display. It allows the user chime by dialling the corresponding number and electric locks release by entering the private code. The electronic index is also integrated. Scrolling function allows to display the tenant names in alphabetical sequence and the call is activated pressing the chime button. It contains up to 250 name users.

MATRIX CONVENTIONAL EXTERNAL DOOR STATIONS FN4000



In order to make a conventional door station it is necessary to use CD4130MA digitizer to be joint to MA22 and MA24 conventional button modules or to MA22S and MA24S button modules. Of course as regards the wall mounting, back boxes MA7.. series, front frames MA6... series and rainshelters MA9... series can be used.

CD4130MA

Digitizer
| w x h | 115 x 115

Digitizer for conventional push button panels, it is contained in a Matrix single module and allows for coding up to 63 users.

Kit 4244

Button interface

Button interface, kit of 4 groups of 4 codes each. To be installed on Matrix button modules. The interface outputs are connected to the CD4130MA

AUDIO AND CAMERA MODULES FN4000



MA42CDG

Colour camera module 3.6mm fixed lens, with door speaker
| w x h | 115 x 115

MA42DG

B/w camera module 3.6mm fixed lens, with door speaker
| w x h | 115 x 115

MA43CDG

Colour camera module 3.6mm fixed lens, with 1 call button, with door speaker
| w x h | 115 x 115

MA43DG

B/w camera module 3.6mm fixed lens, with door speaker, with 1 call button
| w x h | 115 x 115

Audio modules to be used for FN4000 digital system are the same of analogue system.



FC52MA

MODULE FOR ACCESS CONTROL

FC52MA

Access control keypad

Anti-vandal stand alone keypad (IP45, with stainless steel front plate and buttons) that can be installed singularly or combining it with conventional or digital audio or video Matrix composition. It works with 2 relays for lock opening, access control etc. with 12 programmable codes from 1 to 8 digits for each relay. Possibility to activate relays with additional buttons (exit button). Programmable timer from 1 to 99 seconds in monostable working, or bistable operation. Flush mounting with MATRIX accessories.

Power Supply: 12 Vac/dc. Dimensions in mm (w x h x d): 115 x 115 x 57

FRONT FRAMES

The frames are made of die cast aluminium and they are available in three different sizes according to 1, 2 or 3 module configuration. They are thought to contain modules in vertical or horizontal mounting available in light metallized anthracite colour.

MA61

Front frame for 1 module

l w x h | 140 x 140

MA62

Front frame for 2 modules

l w x h | 140 x 257

MA63

Front frame for 3 modules

l w x h | 140 x 374

BUILT-IN BACK BOXES

Back boxes are available in three sizes to permit the wall flush mounting installation of 1, 2 and 3 modules. They are provided with metal frames that allow the correct alignment of the function modules. Properly mounted they allow the installation of a great number of users.

MA71

Back box for 1 module

l w x h | 128 x 128

MA72

Back box for 2 modules

l w x h | 128 x 245

MA73

Back box for 3 modules

l w x h | 128 x 362

RAIN-SHELTERS

Elegant rain-shelters for surface mounted installations in stainless steel with proper depth and dimensions, that allow to keep the necessary solidity and the fixing with easy and direct mounting of the button modules together with the module frames as decorative elements. According to Matrix range, the rain shelters are available for 1, 2 and 3 modules.

MA91

Rain shelter for 1 module

l w x h | 146 x 145

MA92

Rain shelter for 2 modules

l w x h | 146 x 262

MA93

Rain shelter for 3 modules

l w x h | 146 x 379