



# 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 front frames and built-in or surface mounting 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.*



VIDEO INTERCOM COMPOSITION

## CCD CAMERA MODULES

with orientable lens with 6 LED's and autoiris with electric door speaker integrated



### MA43CED

Dim: mm 115 x 115

Audio and video module with 1 chime button for 4+1 video system without coaxial cable  
camera | colour / fixed 3.6 mm lens



### MA43ED

Dim: mm 115 x 115

Audio and video module with 1 chime button for 4+1 video system without coaxial cable  
camera | black/white / fixed 3.6 mm lens



### MA42C

Dim: mm 115 x 115

Audio and video module for video system with coaxial cable  
camera | colour / fixed 3.6 mm lens



### MA43C

Dim: mm 115 x 115

Audio and video module with 1 chime button for video system with coaxial cable  
camera | colour / fixed 3.6 mm lens



### MA42

Dim: mm 115 x 115

Audio and video module for video system with coaxial cable  
camera | black/white / fixed 3.6 mm lens



### MA43

Dim: mm 115 x 115

Audio and video module with 1 chime button for video system with coaxial cable  
camera | black/white / fixed 3.6 mm lens

## MODULES WITH DOOR SPEAKER INTEGRATED

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



### MA10P

Dim: mm 115 x 115

Without call button



### MA11P

Dim: mm 115 x 115

With 1 call button



### MA12P

Dim: mm 115 x 115

With 2 call buttons

## ADDITIONAL BUTTON MODULES



### MA22

Dim: mm 115 x 115

With 2 call buttons



### MA24

Dim: mm 115 x 115

With 4 call buttons

## OTHER MODULES



### MA20

Dim: mm 115 x 115

Blank module



### 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**



**TD2100MA**

Dim: mm 115 x 115

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**



**CD2132MA**

Dim: mm 115 x 115

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



**CD2134MA**

Dim: mm 115 x 115

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**



**VD2120CMA**

Dim: mm 115 x 115

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



**VD2120MA**

Dim: mm 115 x 115

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



**AD2110MA**

Dim: mm 115 x 115

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

**ADDITIONAL BUTTON MODULES DIGITAL SYSTEMS**



**MA22S**

Dim: mm 115 x 115

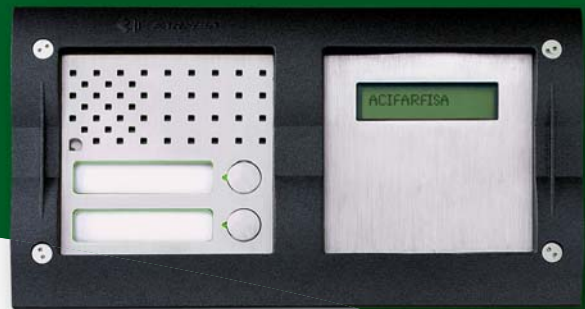
Additional button module with 2 call buttons to be combined with CD2132MA or CD2134MA. Encoding board for 2 buttons integrated.



**MA24S**

Dim: mm 115 x 115

Additional button module with 4 call buttons to be combined with CD2132MA or CD2134MA. Encoding board for 4 buttons integrated.



**INTERCOM COMPOSITION FN4000**

**DIGITAL DOOR STATIONS FN4000** BASED ON FARNET



**TD4100MA**

Dim: mm 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** BASED ON FARNET

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 surface mounting boxes MA9...series can be used.



**CD4130MA**

Dim: mm 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.

**AUDIO AND CAMERA MODULES FN4000** BASED ON FARNET



**MA42CDG**

Dim: mm 115 x 115

Colour camera module 3.6mm fixed lens, with door speaker



**MA42DG**

Dim: mm 115 x 115

B/w camera module 3.6mm fixed lens, with door speaker



**MA43CDG**

Dim: mm 115 x 115

Colour camera module 3.6mm fixed lens, with 1 call button, with door speaker



**MA43DG**

Dim: mm 115 x 115

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

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



FC52MA

## MODULE FOR ACCESS CONTROL

### FC52MA ▲

Dim: mm 115 x 115 x 57

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.

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## 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

Dim: mm 140 x 140  
Front frame for 1 module

### MA62

Dim: mm 140 x 257  
Front frame for 2 modules

### MA63

Dim: mm 140 x 374  
Front frame for 3 modules

## 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

Dim: mm 128 x 128  
Back box for 1 module

### MA72

Dim: mm 128 x 245  
Back box for 2 modules

### MA73

Dim: mm 128 x 362  
Back box for 3 modules

## SURFACE MOUNTING BOXES

Elegant boxes 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 surface mounting boxes are available for 1, 2 and 3 modules.

### MA91

Dim: mm 146 x 145  
Surface mounting box for 1 module

### MA92

Dim: mm 146 x 262  
Surface mounting box for 2 modules

### MA93

Dim: mm 146 x 379  
Surface mounting box for 3 modules

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