

MACS FENCES



The most advanced electronic techniques incorporated into the solidity of Nuova Defim Orsgril fencing systems. With MACS (MEMS-based anticlimbing system) attempts to break in or climb over fences are detected accurately and distinguished from natural or accidental events. With its easy installation and remote monitoring capability, the system is an important improvement in perimeter security. Thanks to its self-learning technology is adaptable to any project, fits to any fence type and it can be set in real time.

TECHNICAL CHARACTERISTICS

MANAGEMENT SOFTWARE

CONNECTIONS

A compatible internet browser without requiring any additional installations

NUMBER OF ZONES

Up to 32 zones with an unlimited number of sensors freely programmable towards an output

NUMBER OF CONFIGURATIONS

Up to 32 saveable

ALARMS

Pre-alarm / Alarm / Tampering / Failure

INSTALLATION

- > Sensor self-initialization
- > Automatic sensors detection on bus
- > Possible replacement of every single sensor
- > Possible FW Sensor and master upgrading

PROGRAMMING

Real-time parameter setting with feed-back

BACK-UP

Sensor detection through magnet

USERS MANAGEMENT

Up to 3 user levels with different credentials and authorization

SENSOR

OVERALL DIMENSIONS

89x73x25.5 mm

IP PROTECTION RATE

IP67

RELATIVE HUMIDITY

0-100%

MATERIAL

Fiberglass reinforced Nylon (PA66), resin sealed, UV rays resistant

FIXING SYSTEM

With one central screw:

- > Counter-plate for fixing on mesh fencing or netting
- > Self-tapping screw on metal surface (post)

COVERING AREA

Maximum 3 x 6 m (With sensor positioned mid-way with respect to the panel)

CHAINS CONFIGURATION

- > Up to max. 120 sensors for communication bus system (2no. bus units per master)
- > Max. 20 sensors 3 meters pitch chains (2,5 meters actual distance between adjacent sensors)
- > Max. 20 sensors 6 meters pitch chains (5 meters actual distance between adjacent sensors)

PRODUCT SPECIFICATION

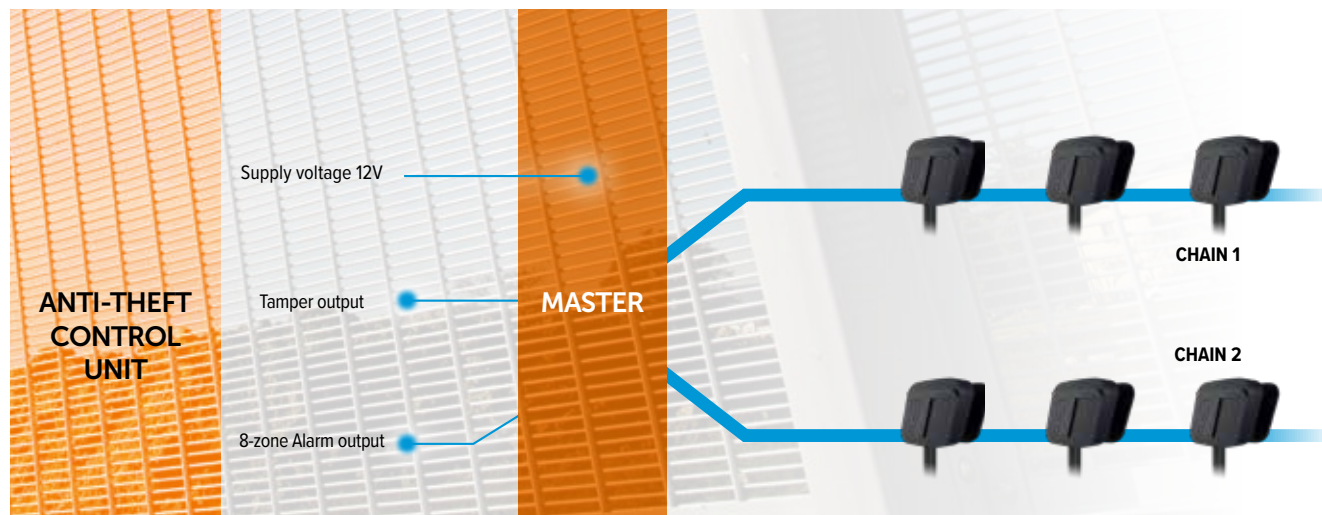
Integrated or semi-integrated anti climbing boundary system for fencing, complete with Ethernet network board, 4no. digital input doors and 8no. NC output doors + tamper, master IP67 able to control two sensors chains using MEMS technology and IP68 protection level. All is powered by a network board and controlled by a dedicated web interface remotely programmable.

APPLICATIONS

- > Residential areas
- > Industrial areas
- > Commercial areas
- > Parks
- > Railways
- > Telecommunication sites
- > Military sites
- > High security fencing
- > Airports and customs
- > Borders
- > Car park
- > Strategic installations
- > Photovoltaic installation



ALARM
SYSTEM
P. 69



MACS FENCES INTEGRATED

MACS is specifically designed to be integrated harmoniously and functionally to Recintha Safety and Elettra models. A new and safer security system is thus defined to guarantee an elegant and perfectly integrated design respecting the Italian style; invisible and inaccessible sensors and cables in addition to a pre-calibrated system designed for Nuova Defim Orsogrill fence systems completes the offer.

TECHNICAL CHARACTERISTICS

NETWORK BOARD (MACS-ETH)

POWER SUPPLY

12 Vcc - 3 A

FIXING SYSTEM

Din bar support

BOARD SIZE

146 x 84 mm

DIGITAL INPUT

4no. digital inputs

NUMBER OF NC OUTPUT

8 + 1 tamper

TYPE OF NC OUTPUT

Optomos relay: 60Vmax, 400mA,
Contact resistance 2 ohm

TYPE OF COMMUNICATION

Ethernet door

DIGITAL MEMORY

> 10000 events

MASTER (MACS-MAS)

POWER SUPPLY

From network board

FIXING SYSTEM

Din bar support in a watertight box

TYPE OF CONTAINER

Watertight aluminium alloy box

IP PROTECTION RATING

IP66

CONTAINER SIZES

140 x 115 x 61 mm

DIGITAL INPUTS

Tamper input

NUMBER OF NC OUTPUT

1

TYPE OF NC OUTPUT

Optomos

CONNECTIONS

2no. communication bus systems
towards sensors, 1no. communication
bus systems towards the network
board, W-Sync



UN SENSORE OGNI 2 PANNELLI



1 SENSOR EVERY 2 PANELS



MACS FENCES EXTERNAL

MACS advanced electronics has been developed to extend all intelligent protection advantages to a wide range of Nuova Defim Orsogrill enclosures. Thanks to the sensors compact design, MACS system is integrated in a distinctive and elegant way with the complete range of our offer. You can choose different cable colors to match the project style. The single central screw mechanism, grants a quick and easy installation. MACS is compatible with: **Recintha N/L, 202, Sterope, Pleione, Britosterope and with the Talia style.**