



Perimeter Detection Systems

8 INPUTS REMOTE MODULE (MI8)

Connection and Alarm centralisation system of intrusion detectors

The 8 INPUTS REMOTE MODULE makes it possible to communicate alarms from any detector to a VMS via the Maxibus Universal. This can be done via a secure dynamic radio mesh (D.R.N) or a wired RS485 bus network.

The 8 INPUTS REMOTE MODULE module can be used with any detector with dry contact outputs. MAXIBUS Universal becomes the unique interface for the management of all the intrusion perimeter detectors present onsite.



Product Strengths

- Ease and speed of deployment and implementation
- Communication and centralisation of alarm information either via a radio mesh network or a wired bus network
- Secure communication of alarm information
- Evolution of the perimeter detection system

8 INPUTS REMOTE MODULE (MI8)

Centralisation

MAXIBUS Universal is the unique interface for the management of all the intrusion perimeter detectors present onsite.

INSTALLATION

- Dynamic Radio Mesh Network
- Alarm outputs :
 - Up to 136 dry contacts
 - MODBUS TCP IP protocol
 - New SDK for integration to VMS

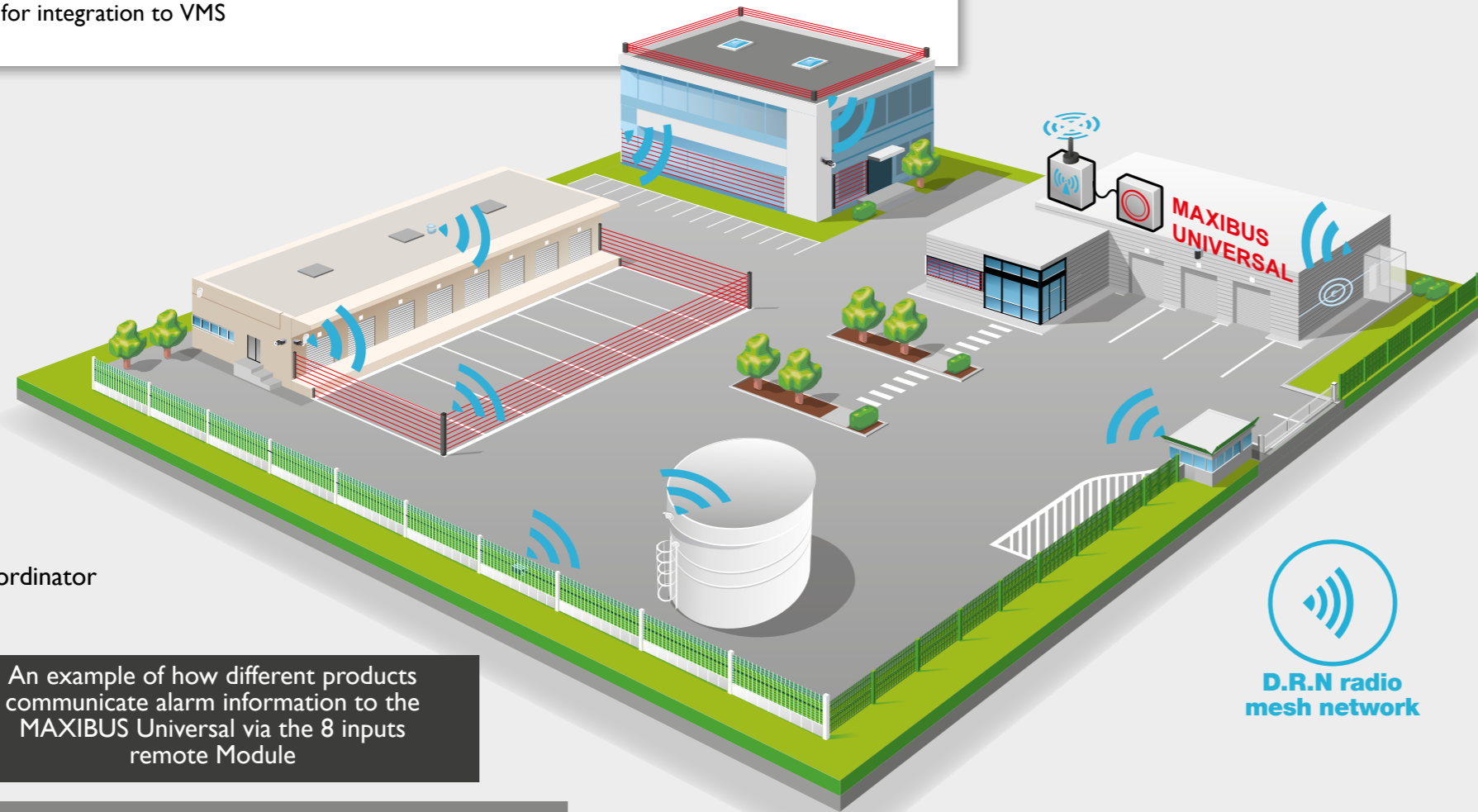
MAINTENANCE

- History log of 1000 events with detector ID
- Web-based configuration interface

Reliability

The 8 INPUTS REMOTE MODULE enables the simultaneous creation of :

- A D.R.N radio mesh network
- A RS485 wired bus network



An example of how different products communicate alarm information to the MAXIBUS Universal via the 8 inputs remote Module

Simplicity

Secure configuration and fine-tuning via the Sorhea smartphone application

- Alarm assignment configuration
- Access to the history log



Security of the radio network

All the 8 INPUTS REMOTE MODULE form a secured mesh radio network using the D.R.N. technology

- Security : Encrypted proprietary SORHEA radio protocol : AES encrypted T.D.M.A.
- Watch-dog : permanent monitoring of the presence of the 8 INPUTS REMOTE MODULE on the radio network
- Unique identification of alarm messages
- Dynamic radio network

Scalability




Secure an entire existing site or add an extension without any civil works

- Communicate all alarm information to a VMS from any detector on site that uses dry contacts
- Site expansion: addition of new detectors without civil works



TECHNICAL CHARACTERISTICS

8 INPUTS REMOTE MODULE

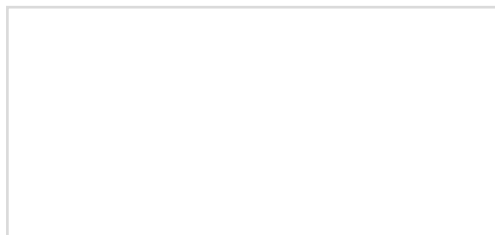
Alarm information	8 T.O.R inputs+ Tamper
Transmission of alarms	Either by dynamic radio mesh network to a radio coordinator, or by a wired RS485 bus network
Radio frequency	19 radio channels spread out on 3 bandwidths: 865 Mhz – 868 Mhz 15 channels 868 Mhz – 868,6 Mhz 3 channels 869.7 Mhz – 870 Mhz 1 channel LORA modulation 
Data encryption	AES encrypted T.D.M.A
Power supply	4 Vdc – 26 Vdc range (10mw under 4 Vdc consumption)
Operating temperature	From -35°C to +70°C
Electromagnetic compatibility	Conform to European standards (label CE)
Wireless configuration using Bluetooth® and the Sorhea smartphone App	Sorhea smartphone App available on:  

RADIO CONNECT COORDINATOR

Alarm transmission	MAXIBUS Universal compatible with RS485
Configuration tools	Embedded HTML server
Power supply	12 Vdc (40 mA)
Operating temperature	From -35°C to +70°C



Reseller Stamp



In order to continuously ensure the high standard of quality and performance of our products, we reserve the right to modify the present technical data without notification.