SORHEA

DUAL TECHNOLOGY DETECTORS

PIRAMID

DUAL TECHNOLOGY DETECTOR

PERFORMANCE FEATURES

- **Reliable detection:** combination of two technologies
- **Range control** irrespective of sensitivity settings
- Response to **specific applications**
- **Multiple communication modes:** radio, RS485 Bus cable, dry contacts
- **MAXIBUS Universal compatible:** integration with VMS

PIRAMID DUAL TECHNOLOGY DETECTOR

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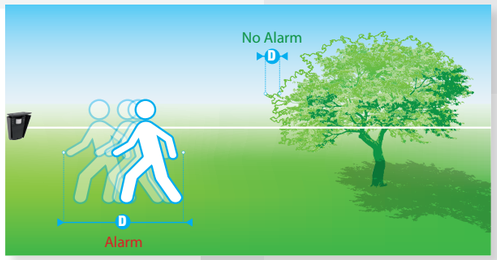
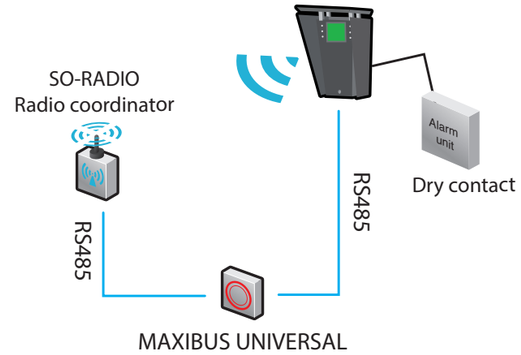
RELIABLE DETECTION

- **Highly reliable product that combines two technologies:**
  - Unaffected by weather conditions
  - Independent configuration of the two technologies
  - Very high capacity to filter unwanted alarms
- **Minimum movement filtering by analysing distance travelled:**
  - Analysis of distance travelled: configurable from 10 cm to 5 m
  - insensitive to vegetation



MULTIPLE COMMUNICATION MODES

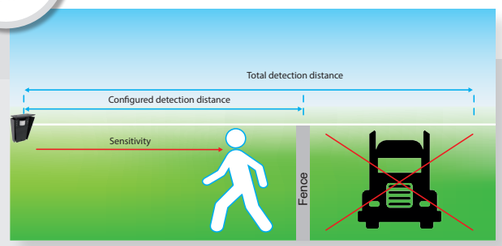
- **Use of dry contact outputs**
- **Or advanced use via MAXIBUS Universal:**
  - in wired network RS485
  - in radio network:
    - **Private LoRa® radio communication**
    - **Encrypted radio network:** data security
    - **Mesh radio network** to guarantee a robust installation
    - **Site integrity and security:** permanent monitoring of the presence of PIRAMID on the network (guard dog function)
    - **Radio range:** 300 m line of sight

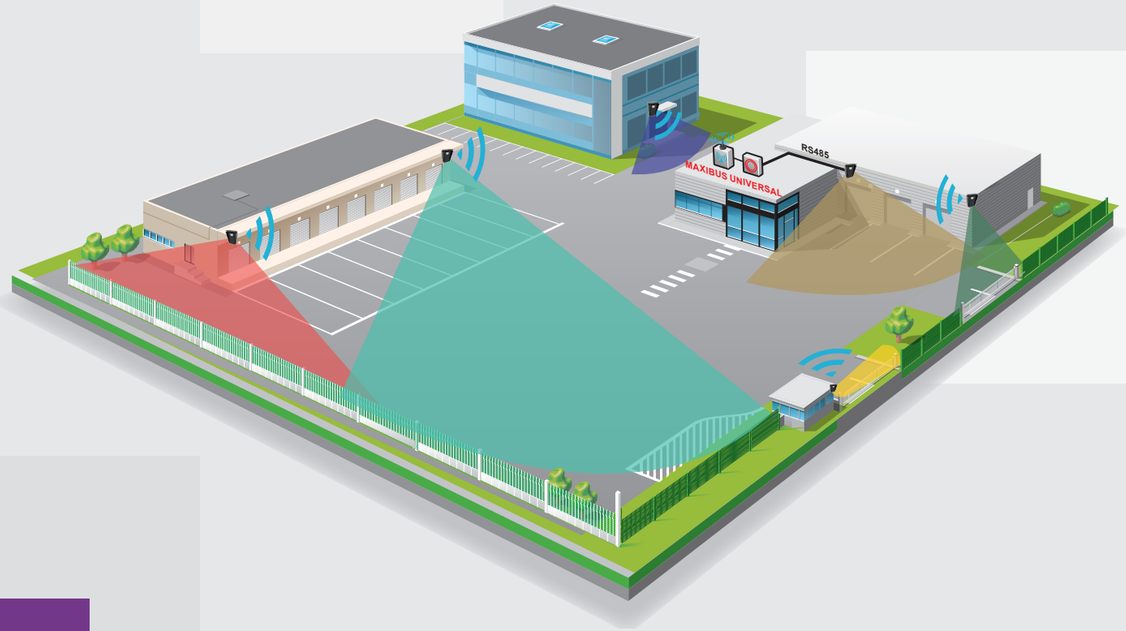


RANGE CONTROL IRRESPECTIVE OF SENSITIVITY

INNOVATION

- **Radar wave flight** time analysis



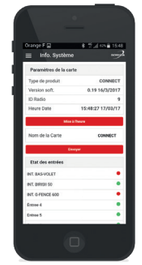


SIMPLE CONFIGURATION

- **Remote configuration by web server** on MAXIBUS UNIVERSaL
- **Local wireless configuration** by smartphone

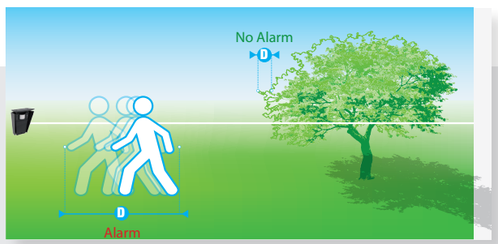
GET IT ON Google Play

Available on the App Store



RESPONSE TO **SPECIFIC APPLICATIONS**

- **Target speed analysis:**
  - Target analysis: configurable from 1 km/h to 50 km/h
  - Insensitive to birds
- **Target direction setting:** detection on approach and / or moving away



COMPATIBLE MAXIBUS UNIVERSAL VIA MI8

OPTIMISED ALARM MANAGEMENT...

- **Centralisation of all system alarms** in a single point
- **Remote access to products:** configuration and maintenance
- **Embedded** web server
- **Time and history log** of alarm events

...**DESIGNED FOR SIMPLIFIED INTEGRATION** ON ALL YOUR SITES

- **Integration with VMS**
- **Easy integration:** API available
- **Secure data transmission: 802.1X**, TLS...
- **Various** alarm transmission **protocols:** ModBus, API
- Dry contact outputs: up to 136 relays

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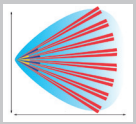
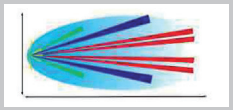
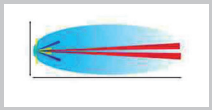
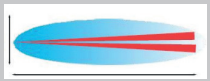
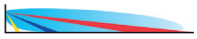
OUTLINE OF PROTECTION MICROWAVE & PASSIVE INFRARED COVERAGE

	SDI-78XL2-A	SDI-78XL2-B	SDI-78XL2-C	SDI-78XL2-D
Lens type	Wide angle	Medium angle	Tight angle	Curtain
Lens name	A	B	C	D
Description	30 m x 30 m	30 m x 10 m	40 m x 6 m	40 m x 3 m
Overhead view of microwave and passive IR coverage				
Lateral view of microwave and passive IR coverage				

Other lenses available on request

 Passive IR rays

 Microwave coverage

TECHNICAL CHARACTERISTICS

	PIRAMID
Detection type	PIR sensor and Doppler microwave
Microwave frequency	10,510 GHz
Power	12 V DC
Alarm information	Intrusion / Tamper / Anti-masking
Alarm outputs	Dry contact outputs (NO/NC) / wired bus network / radio network
Operating temperature	-40 °C to +70 °C
Relative humidity	Max. 95% without condensation
Weight	0,9 Kg
Electromagnetic compatibility	Compliant with European standards (CE label)
Detector orientation	Horizontal: +/- 90° in 10° steps – Vertical: 0° to -10°
Detector size	(H) 220 mm x (L) 165 mm x (D) 103 mm (not including brackets) or (D) 233 mm (including brackets) H: Height / L: Length / D: Depth

	MAXIBUS UNIVERSAL HUB
Configuration tools	Embedded web server
Alarm outputs	Dry contacts, Modbus, API
Power	12 Vdc
Operating Temperature	0 °C to +55 °C
Security	Compatible network 802.1x, TLS, etc.

SORHEA

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