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SORHEA TECHNOLOGY

G-FENCE 2400-IP65

FENCE-MOUNTED INTRUSION DETECTION ACCELEROMETER-BASED TECHNOLOGY

G-FENCE 2400-IP65

KEY FEATURES

- **Simplified installation with removable terminal strip**

- **Remote configuration, maintenance and software updates**

- **3 Simultaneous multimode alarm transmission options**

- **MAXIBUS compatibility**

- **Integration wth all leading VMS platforms**

- **IP65/NEMA 4X** Rated Enclosure

G-FENCE 2400-IP65

FENCE-MOUNTED INTRUSION DETECTION SYSTEM
MULTIMODE ALARM TRANSMISSION

ACCELEROMETER-BASED TECHNOLOGY

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SYSTEM DESCRIPTION

- **Accelerometer-based technology** - provides distributed intelligence
- **Control Unit protects 1968 ft. (600m)** - 8 ft. fence panels
- **Control Unit protects 2400 ft. (720m)** - 10 ft. fence panels
- **Compatible with MAXIBUS** - up to 16 Control Units can be used with each MAXIBUS
- **Works on most types of fences** - chainlink, steel, wrought iron, anti-climb, mesh
- **Highly immune to inclement weather** - heavy rain, strong winds, icy conditions
- **High probability of detection (PD)** - low nuisance-alarm-rate/false-alarm-rate (NAR/FAR)

SIMPLIFIED INSTALLATION AND MAINTENANCE

- **Quick and easy installation** - cable, control unit, link/termination units
- **Durable cable resistant to bending and pulling** - 40 sensors per cable roll
- **Copper wire** - easy to splice and repair
- **Addressable sensors** - user friendly configuration through web browser of sensor sensitivity and number of impacts
- **Removable terminal strips**
- **Localization of intrusion and cable-cut to 10 ft.** (3m)

MULTIPLE SETTINGS AND ZONING

- **No software required:** embedded web server
- **Simple** and **intuitive** web interface
- **Broad range** of cable sensitivity settings
- **Multiple system adjustments:**
  - Number of impacts - by zone
  - Sensitivity settings - by sensor
- Possibility to configure **one zone per sensor** and up to **10 detection zones** per control unit

OPTIONAL REINFORCED CABLE

- **Cable protected in outer jacket** for installations on concertina / barbed wire

Siding brackets

VMS

MAXIBUS Universal

Control panel

Modbus / API   RS 485

12 dry contacts

Passive cable for passing gates

1 sensor per panel

MULTIMODE ALARM TRANSMISSION

- **12 dry contact outputs** - (10 alarm, 1 tamper, and 1 technical defect)
- **TCP/IP output from the Control Unit**
- **Direct integration with VMS via API or SmartBridge**
- **MAXIBUS Network compatible (Modbus RS485)**
- **Alarm information transmission** - occurs simultaneously in all modes

REMOTE MANAGEMENT

- **Remote configuration** via MAXIBUS or via Control Unit on IP network
- **Remote maintenance:**
  - **Time and history log:** localization of triggered sensor
  - **Real-time visualization** of system status, intrusion localization...
- **Control Unit updating** :
  - locally via SD card
  - remotely via Control Unit web interface or MAXIBUS
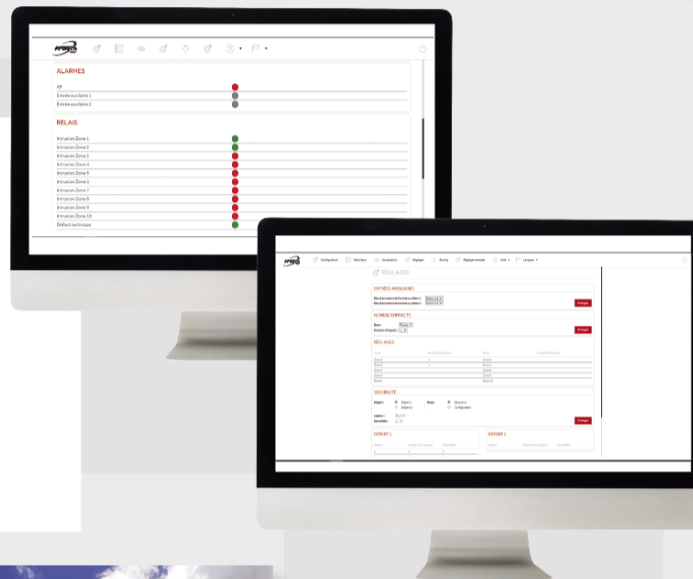- **Optimization of setup and maintenance times**

MAXIBUS COMPATIBLE

ALARM MANAGEMENT...

- **Centralization of all system alarms** to 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 SITES

- **Integration with all leading VMS platforms**
- **Easy integration:** API available
- **Secure** data transmission: **802.1x,** TLS, etc.
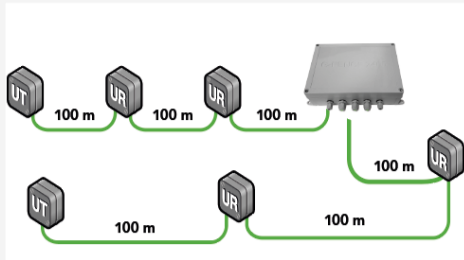- **Various** alarm transmission **protocols:** ModBus, API
- **Dry contact** outputs

G-FENCE 2400-IP65

FENCE-MOUNTED INTRUSION DETECTION SYSTEM
MULTIMODE ALARM TRANSMISSION

INTRUSION DETECTION SYSTEM

SYSTEM ARCHITECTURE

SYSTEM

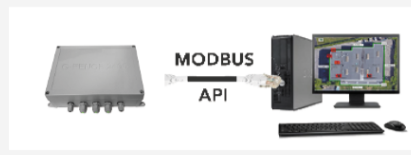| |
|---|
| G-FENCE 2400-IP65 Control Unit - 3 alarm transmission modes
Outdoor / indoor installation |
| Roll of 328 ft. (100 m) G-FENCE 2400 detection cable including 40 sensors |
| UR/UT G-FENCE 2400 |
| Plastic or metal tie wraps available |

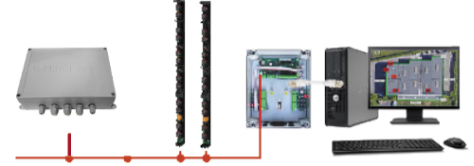## 3 SIMULTANEOUS ALARM TRANSMISSION MODES

MODE 1 — *Dry contact*

MODE 2 — *API over IP*

MODE 3 — *RS485 to MAXIBUS*

TECHNICAL SPECIFICATIONS

G-FENCE 2400-IP65

Power supply	12 to 24Vdc		
	Control Unit (UG)	Detection zones	System
Alarm information (12 alarm outputs)	Tamper	Intrusion (10 ZONES)	Perimeter defect (cut cable)
Alarm transmission (3 modes)	Dry contacts - API over IP - RS485 to MAXIBUS		
Protection length per roll (40 sensors)	328 ft. (100m) 8 ft. fence panels - 400 ft. (120m) 10 ft. fence panels		
Maximum protection per Control Unit	1968 ft. (600m) 8 ft. fence panels - 2400 ft. (720m) 10 ft. fence panels		
Operating temperature	From -40°F to +158°F (-40°C up to +70°C)		
Enclosure ratings, IP / NEMA	IP65 rating; NEMA Class: 1, 4, & 4x		
Eletromagnetic compatibility	Compliant with European standards (label CE)		
Installation recommendations	One sensor per panel - up to total of 656 ft. (200m) of passive cable (per direction of detection cable)		
Configuration	Sensitivity setting per sensor or per direction and number of impacts per zone		
Remote maintenance	Embedded web server		

MAXIBUS HUB

Configuration tools	Embedded web server
Alarm transmission (3 modes)	Dry contacts - API over IP - RS485 to MAXIBUS
4 communication ports	4 Control Units per communication port
Power supply	12 Vdc
Operating temperature	-40°F to +158°F (-40°C to +70°C)
Security	Compatible networks 802.1X & HTTPS.

PROTECH MANUFACTURER OF PERIMETER INTRUSION DETECTION SYSTEMS FOR SENSITIVE SITES

protechusa.com