



Micralert HS

Detection / Perimeter Intrusion Detection

A High Security CPNI and CAPSS approved PIDS analyser offering:

- Cyber protection utilising TLS 1.2 and AES 128 bit encryption
- Two or four independent detection zones with configurable outputs for (pre)alarm, tamper, and fault conditions. Each zone has three independent signal processing channels (cut, climb, hacksaw)
- Four dry contact monitoring inputs for additional detection systems
- Eight output relays for general purpose switching

When used in conjunction with the Geolog Vision HS detection management interface it can be monitored and operated by the Geolog Vision HS software remotely via an encrypted TCP/IP Ethernet connection. This interface is password-protected for critical parameters such as sensitivity, event counts, and timers (can also be programmed to operate the dry contact relay outputs).

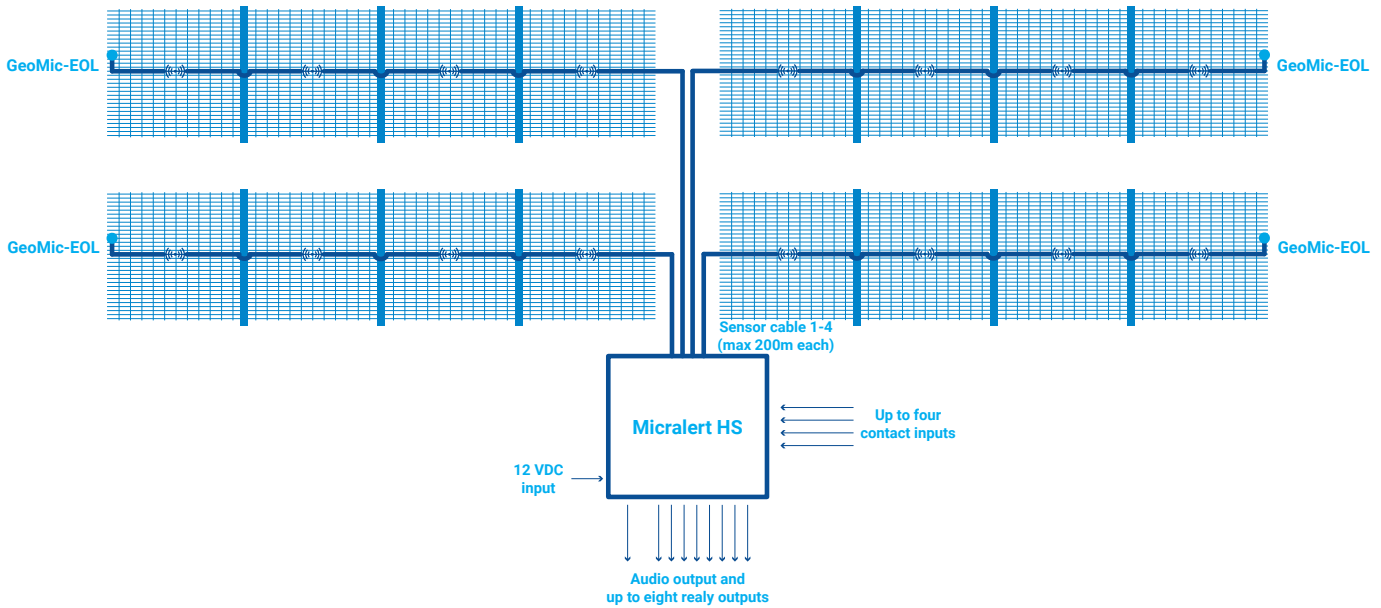
Micralert HS: the High Security PIDS analyser with cyber protection for high security locations such as airports, prisons, utilities, and government sites

- **Cyber security over a fully encrypted TCP/IP network**
- **Up to 4 detection zones (each maximum 200 meters)**
- **Simple IP interface for remote configuration**
- **CPNI rated product: Approved for UK Government use, for details contact CPNI**
- **CAPSS compliant: Approved for UK Government use, for details contact CPNI**

Experts in perimeter protection



Technical diagram



Technical specifications

Housing (WxHxD)	230 x 60 x 430 mm
Weight	5 kg
Material	Folded aluminium
Protection level	IP51 Surge/transient protection: Gas discharge tube and semiconductor surge suppressor. Transformer isolation for GDALPHA sensor inputs. Easily replaced plug-in cards.
Colour	Natural aluminium
Fixing mode	In cabinet
Connector types	5x PG9 cable glands 1x RJ45 socket
Power supply	9-32 VDC (500 mA at 12 VDC)
Inputs	4x (or 2x) GDALPHA sensor zones (independent alarm, tamper and audio outputs). 4x auxiliary alarm inputs (controlled by)
Outputs	8x relay outputs (12/24 VDC, 600 mW) 1x audio output (manually selected)
IP port	RJ45 socket (via TLS v1.2 secure protocol, 256 bit AES encrypted)
Alarm storage	Offline (1,000 time-stamped events per channel)

Suggested accessories / products

- GDALPHA sensor cables

Certificates

- CPNI rated product: Approved for UK Government use, for details contact CPNI
- Environment class 1 in accordance with BSEN50131-1:2006+A1:2009 and PD 6662:2004

Ordering information

Contact Heras for precise ordering details.