



GROVELEY DETECTION

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GDU Incus Engineering Data Sheet

Detection Principal

- Ultrasonic Piezo Ceramic Sensors - non consumable, non ageing
- Frequency 25-80 kHz
- Dynamic Range - 50 - 140dB (standard)
- 50 - 160dB (high range option)

Power

- - 24 vDC nominal (15-32vDC)
- Consumption - 200 mA quiescent
- 1.5 A full alarm load

Certification

- ATEX II 2G Ex d e ia IIB + H₂ T4

Operating Temperature

- -40°C to +65°C Standard
- -50°C to +65°C Low Range Option
- -20°C to +85°C High Range Option

Water Protection

- Humidity 100% Non-condensing
- IP 67 - Submersible

Wiring

- 3 core - 4-20 mA Version
- 6 core - Serial Version



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buying quality...*

Engineering Data Sheet **GDU Incus**

Outputs

- 4-20 mA
- Serial - RS485
- Multiple clean contact relays rated 3 Amp

Power Consumption

- 200 mA - standard running
- 400 mA - test mode
- 1 A - full alarm mode

Enclosure Material

- Aluminium (epoxy coated)
- Stainless steel (AISI 316)

Mounting Bracket

- Material AISI 316 stainless steel (Weight 1.75 kg)

Weight

- 5kg (Aluminium)
- 10kg (Stainless Steel) approx

Area Coverage

- Variable depending on background levels from 15m (very high noise >84dB) to 40m (low noise 25dB)
- Mapping survey recommended on major installs

Patent

- Worldwide pending

Cable Entries

- Standard 4 x M20
- Option 1: 2 x M20, 2 x M25
- Option 2: 2 x M20, 2 x 3/4 NPT

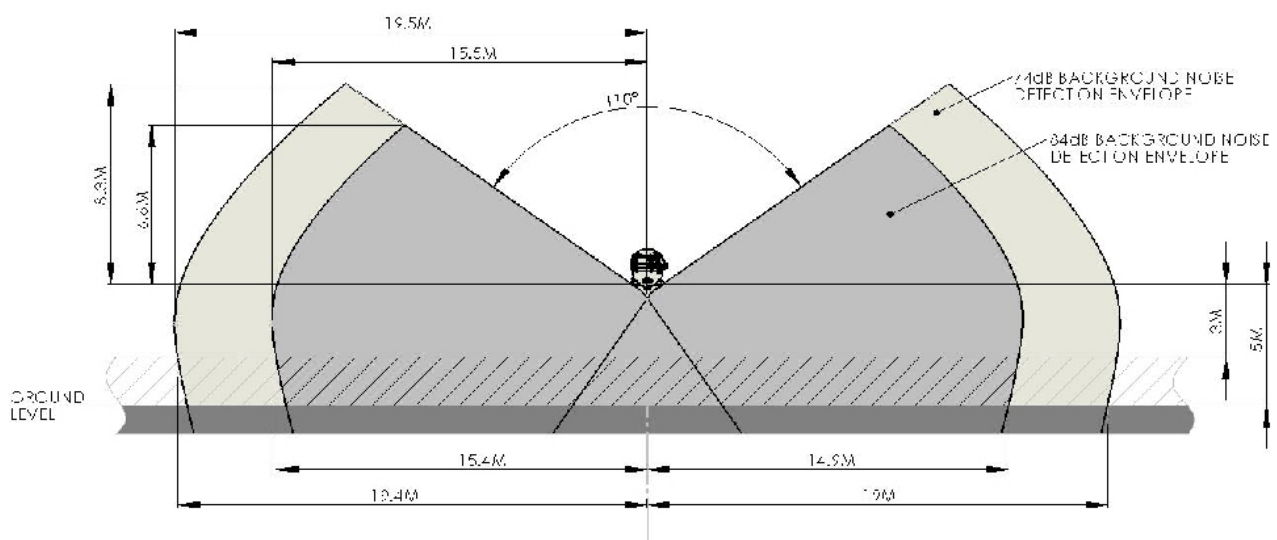


Fig 1. Detection Coverage

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