

GENGUARD®

ORDER CODE: GGEX

DESCRIPTION

To manage ignition risks introduced by non-Ex plant and equipment in hazardous areas, a standard approach has been to dedicate a 'standby person' to continuously monitor and shut down the equipment in response to gas detection or facility alarms. Common examples include diesel generators, pumps and compressors. The GenGuard™ offers a safe, automated alternative and is designed to enhance ignition risk mitigation programs in potentially explosive atmospheres.

After installation by a qualified electrician, the unit integrates with the emergency stop (E-stop) circuit on diesel-powered or non-Ex electrical equipment and will automatically shut it down upon local gas detection or facility alarm¹ – eliminating the need for a standby person stationed at the equipment.

The GenGuard® connects to most common area gas detectors (for example, Dräger X-zone®) via an intrinsically safe connection cable. A facility 230VAC power supply may also be optionally connected to act as a facility alarm shutdown signal. If either the connected local area gas detector or facility supply triggers an alarm, equipment connected to the GenGuard® will be automatically shut down.

Multiple area gas detectors may be configured in a wireless fenceline to provide an extended wide area protection network.

The GenGuard® enables you to reduce ignition risks associated with diesel-powered and non-Ex electrical equipment in potentially explosive atmospheres to ALARP, effectively and efficiently, while reducing your project costs.



KEY FEATURES

- ATEX and IECEx certified for zone 1 and 2
- Expandable protection with wireless area detectors
- Waterproof & dustproof (IP66)
- Flexible installation options
- AS/NZS (IEC) 60079 series compliant
- Australian designed and assembled
- Reduce risk to ALARP
- Reduce project costs

TECHNICAL SPECIFICATION

Zone Rating	Zone 1 & 2
EPL	Gb
Gas Group	IIB+H2
Temperature Classification	T5
Tamb	-20°C to +45°C
Input Voltages	12/24VDC and 230VAC
Frequency	50/60Hz
Ingress Protection	IP66
Gas detector IS connection cable length	25m
Dimensions	450mm x 313mm x 790mm (WxDxH)
Plug Options	CEAG, STAHL ²

1. Assumes ESD isolation of connected facility 230VAC power supply GPO upon alarm
2. Other plug and socket options are available upon request.

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