

Spark Detector GreCon DLD 1/9

For the best detection performance
in any environment

KEY BENEFITS

- ✓ Highly sensitive detection of sparks, embers and hot particles
- ✓ Detection not dependent on temperature of ignition source
- ✓ Highly reliable Intelligent Detection Technology
IDT® adapts to any environment
- ✓ Flush-mounted installation of detector optics for maximum life
- ✓ Dust Ex safety options available for ATEX and IECEx

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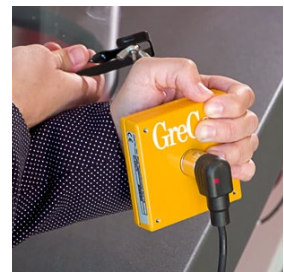
The DLD 1/9 is a highly sensitive spark, ember and hot particle detector for protection against fire and explosion in industrial processes. Intelligent Detection Technology IDT® provides optimal detection performance for all ignition sources in any environment and enables the detector to distinguish between dangerous sparks and harmless ambient light.

IDT® enables adjustable sensitivity for hot particle detection in high-temperature processes and is also used to prevent false alarms.

Typical applications include pneumatic conveyor pipes, near inspection hatches, drop chutes and mechanical conveyors. The detector can be connected to every GreCon TOUCH control console using a standard three-core cable. A range of flexible mounting adapter options exist to suit any environment. The control console interfaces with the detector for monitoring of ignition sources within the process, the configuration of detection parameters and automated check of the detector optics' correct function.

TECHNICAL DATA

Viewing angle	150 °
Spectral response	Spectral response near IR
Ambient temperature	Non-Ex zone -40 °C to +70 °C Ex zone -20 °C to +60 °C
Temperature process	Non-Ex zone -40 °C to +70 °C Ex zone -20 °C to +60 °C
Temperature storage	-20 °C to +60 °C
Relative humidity	0 up to 95 %, non-condensing
Place of use	Ex-free zones zones in danger of dust explosion zones 20, 21, 22
Protection class	IP 65
Connection	preassembled, pluggable connection cable with angle socket and threaded connector
Material of housing	die-cast aluminium
Weight	approx. 260 g
Adapter systems that can be used	threaded mounting adapter DLD 1/8A Ex weld-on mounting adapter DLD 1/8A Ex air purge adapter SPA and SPA Ex
Current consumption	min. 8 mA to max. 30 mA



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