



PDS03 Explosion Detector

Technical datasheet

The PDS explosion detector is a fast-acting pressure sensor designed for use in explosion suppression systems. It detects rapid pressure increases and triggers protective action as soon as the preset pressure threshold is reached.

KEY FEATURES

- High-speed response to sudden pressure rise
- Mechanical locking system to prevent automatic reset after activation
- Integrated status indicator light for clear visual feedback



	PDS03-DL	PDS03-GL
PROTECTION CLASS	IP65	IP65
TEMPERATURE RANGE (PROCESS SIDE)	-4°F to 194°F (-20°C to 90°C)	-4°F to 194°F (-20°C to 90°C)
TEMPERATURE RANGE (AMBIENT SIDE)	-4°F to 104°F (-20°C to 40°C)	-4°F to 104°F (-20°C to 40°C)
ACTIVATION PRESSURE	50, 70 or 100 mbar +/-10%	50, 70 or 100 mbar +/-10%
WEIGHT	3.3 lb (1.5kg)	3.3 lb (1.5kg)
DIMENSIONS	3.6" x Ø6.02" (93mm x Ø153mm)	3.6" x Ø6.02" (93mm x Ø153mm)
ORIFICE DIAMETER	Ø4.17" (Ø106mm)	Ø4.17" (Ø106mm)
ATEX INSTALLATION	Zone 22,21	Zone 1,2
ATEX MARKINGS	II 1/2D Ex ta/tb IIIC T85°C Da/Db IP65	II 2G Ex d e IIC Gb
CONNECTIONS	Multipoint Connection	Ex gland with 9.8ft (3m) cable
HOUSING CONSTRUCTION	Polypropylene	Polypropylene
MEMBRANE CONSTRUCTION	Stainless Steel AISI304	Stainless Steel AISI304
FLANGE CONSTRUCTION	AISI304 or MS	AISI304 or MS