



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
PROTECTION CLASS	IP65
TEMPERATURE RANGE (PROCESS SIDE)	-4°F to 194°F (-20°C to 90°C)
TEMPERATURE RANGE (AMBIENT SIDE)	-4°F to 104°F (-20°C to 40°C)
ACTIVATION PRESSURE	50, 70 or 100 mbar +/-10%
WEIGHT	3.3 lb (1.5kg)
DIMENSIONS	3.6" x Ø6.02" (93mm x Ø153mm)
ORIFICE DIAMETER	Ø4.17" (Ø106mm)
ATEX INSTALLATION	Zone 22,21
ATEX MARKINGS	II 1/2D Ex ta/tb IIIC T85°C Da/Db IP65
CONNECTIONS	Multipoint Connection
HOUSING CONSTRUCTION	Polypropylene
MEMBRANE CONSTRUCTION	Stainless Steel AISI304
FLANGE CONSTRUCTION	AISI304 or MS
OPERATING VOLTAGE	24 VDC
MAX CURRENT	10 mA