

DC-9102(IS) Intrinsically Safe Conventional Photoelectric Smoke Detector



Description

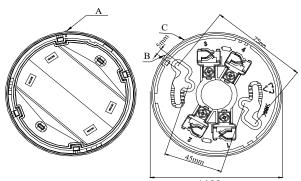
DC-9102(IS) Intrinsically Safe Conventional Photoelectric Smoke Detector is a non-addressable detector, applicable to Zone 1 and Zone 2 of areas with explosion-proof requirement in petroleum, chemical industries and vessels.

Features and Benefits

- Drift compensation enables strong environmental adaptability
- Integrated algorithm for analyzing fire, improving the sensitivity highly
- Self-diagnostic
- Removable innovative sensing chamber, easy for maintenance
- Fire LED allows 360°viewing

Terminals and Installation Holes

Below figures show the detector bottom and terminals of the base.



- 1: Detection zone positive IN
- 2: Detection zone positive OUT
- 3: Detection zone negative IN and OUT
- 4: Physical fix only

Recommended Cabling

1.0mm² or above fire cable is recommended, laid through metal or flame-retardant conduit, but subject to local codes.

The capacitance distributed among cables should not be over $0.083 \mu F,$ and the inductance distributed should not be over 4.1 m H



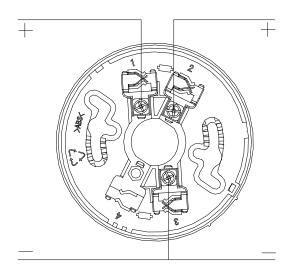
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Application

The wiring diagram is shown below



Certificates and Compliance

- Explosion-proof Mark: Ex ib IIC T6 Gb
- Explosion-proof Certificate: CE16.2158

Order Information

Part No.	DC-9102(IS)
Device Name	Intrinsically Safe Conventional Photoelectric Smoke Detectortor
Product No.	10105034
Compatible Products	I-9332 Flame Proof Zone Monitor Interface

Technical Specification

24V (16V ~ 28V)
≤60uA
≤30mA
Red. Flashes in polling, and illuminates in alarm
Ex ib IIC T6 Gb
CE16.2158
Uo=28V, lo=93mA, Co=0.083uF, Lo=4mH, Po=651mW
Instantaneous Power-off (5s Min,2.5VDC Max)
-10°C ~ +55°C
≤95%, non condensing
ABS
Diameter: 100mm Height: 54.5mm (with base)
45mm ~ 75mm
About 110g

Accessories and Tools



Part No.: Device name: Product No.: DB-01(IS) Detector Base 30205765



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