

DATASHEET

FD2705R

2000 series addressable reflective beam detector
5 to 50 m

MAIN FEATURES

- 2000 series addressable reflective beam detector 5 to 50 m



TECHNICAL SPECIFICATIONS

Power supply

Power supply type	Loop powered
Operating voltage	17 to 28 VDC
Current consumption	5 mA (Quiescent) 14 mA (Alarm) 10 mA (Fault) 22 mA (Alignment mode)

Physical characteristics

Physical dimensions	130 x 210 x 120 mm(W x H x D)
Net weight	770 g
Colour	Black, Grey
Mounting type	Wall mount
Material (body)	Flame retardant ABS

Environmental characteristics

Operating temperature	-10 to 55°C (32 to 100°F)
Relative humidity	93% (non-condensing)
Environment	Indoor
IP rating	IP50

Other characteristics

Status indication	LEDs
Compatibility	Aritech 2000 series systems
Alarm levels	3
Connectivity	2-wire loop

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TECHNICAL SPECIFICATIONS

Addressing method	DIP Switches
Detection principle	Optical light scatter
Coverage area	<750 m ²
Range	5 to 50 m
Lateral detection	7.5 m
Optical wave length	880 nm
Installation height	< 25 m
Misalignment tolerance	Detector $\pm 0.4^\circ$, Prism $\pm 5.0^\circ$ (@ 25%)
Vandal proof	No
Compliance	CE, REACH, RoHS 3, WEEE
Certification	CPR
Standards	EN54:12
Category	Reference
Detection device	FD-MB10