

ATEX Dectector Flame RFD-3000x

Item numbers covered by this data sheet

Fire-Eater item number and name	OEM item number
540238 ATEX Dectector Flame RFD-3000x	RFD-3000x
540239 Bracket BK-02 for RFD-3000x	BK-02

General

RFD-3000X is a Triple IR (IR3) Flame Detector with international certifications. Identify fire by analyzing the IR wavelengths of a long distance flame. Maximum 60 meters of detection range with a 90 degree cone of vision. Permits operation at Hazardous areas.

User selectable output options among Relays, 4-20mA stepped output, and RS-485.

OEM data



- 60m range
- 18 to 30Vdc operating voltage
- 3 output options: volt free relay, RS485, & 4-20mA
- Rugged construction
- Self test facility
- Earth Continuity

Specification:

Part number	RFD-3000X
Detector type	Triple infrared flame detector
Detection range	60m (197ft) n-heptane fire
Response time	5 Seconds
Field of view	90° cone
Sensitivity settings	4 sensitivity ranges from 15-60m, 50 to 197ft
Built in test facilities	Auto self test including window optic check External remote push button test Manual with test lamp
Selectable output options	Fire, Fault, Pre Alarm relays, volt free contacts rated 2amp at 30Vdc 4-20 mA RS-485
Supply voltage	18 to 30Vdc
Quiescent current	100mA at 24Vdc
Alarm current	150mA @24Vdc tbc
Cable entries	2 x 1/2"npt or 2 x M20
Terminal wiring	0.2 to 2.0mm ² 14 to 24 AWG
Operating temperature	-40°C to +75°C
Humidity	95%
IP rating	IP66/67, NEMA Type 4X
Housing material	316 Stainless Steel
Body colour	Stainless steel natural finish
Dimensions	W 122 x H 117 x D 111 mm
Shipping weight	4.9kg
Approvals	ATEX, FM, NEPSI, IECEX see table for details

Approvals:

ATEX

Certificate No: FM13ATEX0058X

II 2 G Ex db IIB+H2 T5 Ta= -40°C to +75°C IP66 / IP67

IECEX

Certificate no: IECEX FMG 14.0013X

Ex db IIB+HS T5 -40°C ≤ Ta ≤ +75°C IP66/67

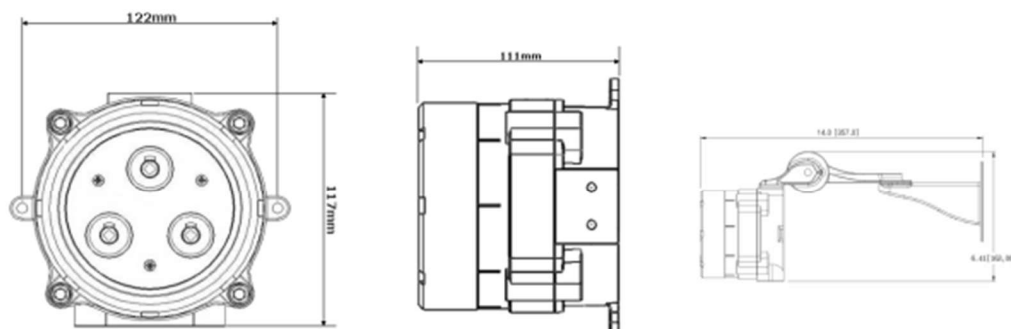
FM

Explosion proof Class I Division 1 Groups B,C and D
Dust ignition proof Class II/III Division 1 Groups E,F and G,
T5 Ta=-40°F (-40°C) to 176°F (75°C)

NEPSI (China)

Ex dIIC T5 Gb DIP A21 TA, T5 IP67

Dimensions (mm)



Available accessories

Sun Shield



Air Shield



Mounting Bracket



Importer:

LGM Product Ltd
Unit 15 Riverside Industrial Park, Farnham
Surrey, GU9 7UG, United Kingdom

Distributor:

Fire-Eater A/S
Voelundsvej 17
3400 Hilleroed, Denmark