Essentia Smoke Heat Multi-Criteria Detector

EDE223-I

Instruction Sheet

R10080GB0

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Document number: R10080GB0
Published: 26.04.2019

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1 Essentia Smoke Heat Multi-Criteria Detector EDE223-I

The addressable Essentia smoke heat multi-criteria detector EDE223-I (FFS06720303) uses new optical sensing technology to detect smoke particles entering the chamber and is fitted with two thermistors for detecting heat. It can be switched to detect smoke, heat or a combination of both offering greater flexibility.

1.1 Feature highlights

- Uses digital communications.
- Compatible with existing bases.
- It has tri-coloured LED status indicator and remote indicator output.
- Detector can be locked to the base.
- Detector has built-in drift compensation.

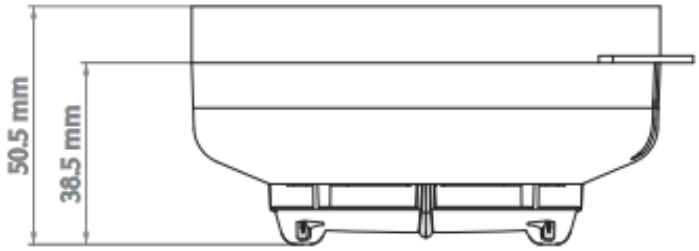
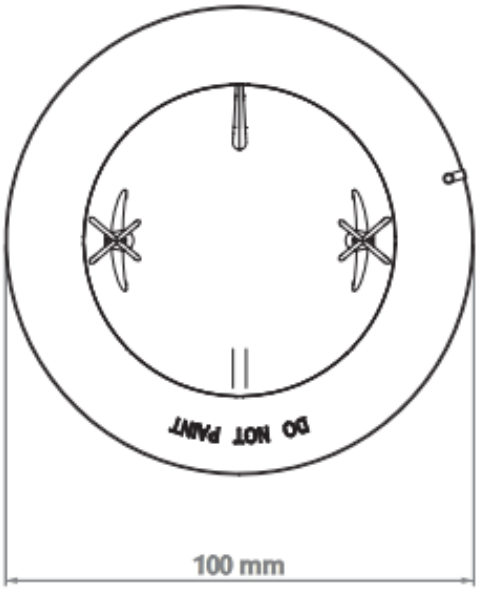
1.2 Applications

Fire detectors should always be installed in accordance with all local and national law and codes of practise.

The smoke heat detector can be switched between smoke and heat only modes making it suitable for a wide range of applications.

1.2.1 Essentia smoke heat multi-criteria detector response modes

Mode	Optical Sensor		Heat Sensor	Minimum Time to Alarm
	Response Value		Response type	
	%/m*	dB/m**		Seconds
1	1.1	0.08	>15°C rise	20
2	2.1	0.15	–	30
3	2.8	0.20	>21°C rise	20
4	4.2	0.29	>15°C rise	20
5	–	–	A1R	20

** Tested in grey smoke*
*** Tested in oil mist to EN 54-7 standard*

1.2.2 Dimensions