Essentia Optical Smoke Detector

EDE-222-I

Instruction Sheet

R10078GB0

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Document number: R10078GB0
Published: 26.04.2019

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1 Essentia Optical Smoke Detector EDE-222-I

The addressable Essentia optical smoke detector EDE-222-I (FFS06720301) with isolator uses new optical sensing technology to detect smoke particles entering the chamber and aims to reduce the possibility false alarms whilst increasing the reliability of detection of a real fire.

1.1 Feature highlights

- Detector utilizes digital communications
- Compatible with Intellia systems.
- Mechanically compatible with existing bases.
- Detector has tri-colored LED status indication and remote indicator output.
- Comprehensively tested to exceed EN 54-7 standard.
- Detector can be locked to the base.
- Has a built-in drift compensation.

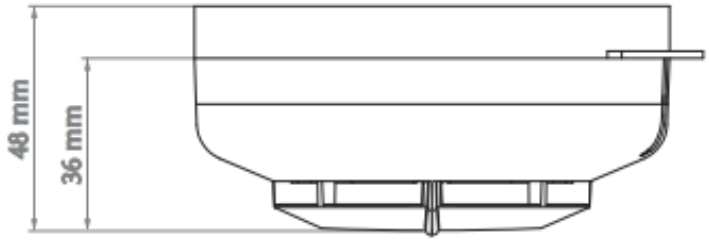
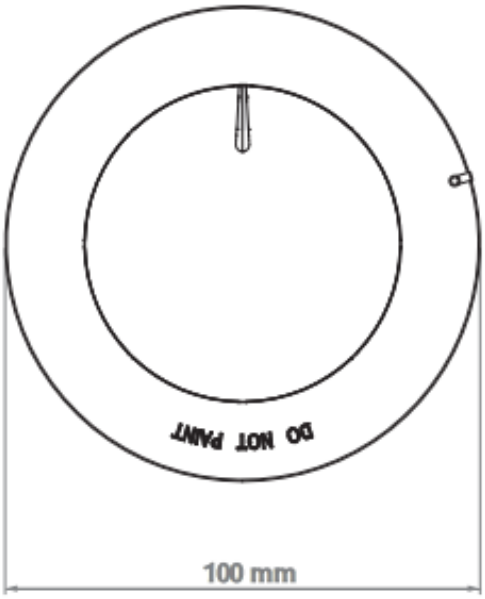
1.2 Application

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

Optical smoke detectors are recommended for general use, particularly where there is a risk of slow burning fires or where the development of smoke could become the major hazard.

1.2.1 Essentia optical smoke detector response modes

Mode	Response Value		Minimum Time to Alarm
	%/m*	dB/m**	Seconds
1	1.4	0.10	5
2	1.4	0.10	30
3	2.1	0.14	5
4	2.1	0.14	30
5	2.4	0.16	5

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

1.2.2 Dimensions