Essentia Smoke Heat Multi-Criteria Detector
EDE223-I

Instruction Sheet

R10080GB2

Schneider Electric

Schneider Electric
www.se.com/buildings

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Contents

Safety Information

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Related Information

For technical specifications, please refer to the Product Datasheet for FFS06720303 on se.com.

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 practice.

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

1.3　Dimensions