

Essentia Heat Detector EDE221-I

Instruction Sheet
R10079GB1



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Document number: R10079GB1
Published: 08.10.2020

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1 Essentia Heat Detector EDE221-I

The addressable Essentia heat detector EDE221-I (FFS06720302 and FFS06720302SA) features two heat sensors located laterally to ensure accurate heat detection in all orientations.

1.1 Feature highlights

- Uses digital communications.
- Compatible with existing bases.
- Has tri-colored LED status indicator and remote indicator output.
- The detector can be locked to the base.
- Eight operating modes (as stated in figure 2).

1.2 Application

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

A “R” suffix detector is suitable for areas such as unheated warehouses in which the ambient temperature may be very low for long periods.

A “S” suffix detector is suitable for areas such as kitchens and boiler rooms, where large rapid temperature changes are considered normal.

1.2.1 Essentia heat detector response modes

Mode	Class EN 54-5	Application Temperature		Static Response Temperature		
		Typical	Maximum	Minimum	Typical	Maximum
1	A1R	25°C	50°C	54°C	57°C	65°C
2	A2R	25°C	50°C	54°C	60°C	70°C
3	A2S	25°C	50°C	54°C	60°C	70°C
4	CR	55°C	80°C	84°C	90°C	100°C
5	CS	55°C	80°C	84°C	90°C	100°C
6*	BR	40°C	65°C	69°C	74°C	85°C
7*	BS	40°C	65°C	69°C	74°C	85°C
8*	A1S	25°C	50°C	54°C	57°C	65°C

*Note: Modes 6, 7 & 8 are exclusively available to fire control panels running Alcore Protocol (if supported).

**Note: Mode 8 is not currently supported by Schneider Electric.

1.2.2 Dimensions

