

Conventia Multisensor Smoke Detector EDC-30

Instruction Sheet
R10082GB2



Schneider Electric

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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 FFS06724621 on se.com.

1 Conventia Multisensor Smoke Detector EDC-30

The optical sensor is identical to the one in the Conventia Multisensor Smoke Detector (FFS06724621). Its sensitivity is, however, influenced by a heat sensing element which makes the detector more responsive to fast-burning, flaming fires.

It should be noted that the detector is a smoke detector. Although Conventia multisensor relies on both smoke and heat sensors it is not possible to switch from smoke detection to heat detection

1.1 Conventia Smoke Detectors

Conventia comprises an optical smoke detector and a mutisensor smoke detector. Conventia product family also comprises a TimeSaver base and a Relay base.

The Conventia products are compatible with the CLC loop interface (FFS00702512).

1.2 Features

Conventia incorporates entirely new designs, both mechanical and electronic. The aim has been to increase the attractiveness of the detector, make installation quicker, enhance the reliability of detection and reduce the incidence of false alarms. Conventia features:

- a wide voltage and operating temperature ranges
- StartUp for fast commissioning
- DustDefy housing which limits ingress of dirt into detector

- new optical sensor for high reliability and reduced false alarm incidence
- new multisensor smoke detector for detecting fast-burning fires
- algorithms for transient rejection
- chamber designed to inhibit dirt penetration and thus reduce false alarms
- automatic drift compensation with DirtAlert warning
- FasTest which reduces the time taken to test detectors
- optional flashing LED to indicate normal operation
- SensAlert which indicates that the detector is not operating properly

1.3 LED Status

Feature	Description of Feature	Red LED Status	Yellow LED Status
StartUp	Confirms that the detectors are wired in the correct polarity	Flashes once per second	No Flash
FasTest	Maintenance procedure, takes just 4 seconds to functionally test and confirm detectors are functioning correctly	Flashes once per second	No Flash
DirtAlert	Shows that the drift compensation limit has been reached	No Flash	Flashes once per second in StartUp (Stops flashing when StartUp finishes)
SensAlert	Indicates that the sensor is not operating correctly	No Flash	Flashes every 4 seconds (Flashes once per second in StartUp)
Normal Operation	At the end of StartUp and FasTest (without flashing LED as standard)	No Flash	No Flash
Flashing LED Version	Detector's red LED flashes in normal operation (at the end of FasTest)	Flashes every 4 seconds	No Flash

1.4 Product Codes

Product	Product codes
EDC-30 Multisensor detector	FFS06724621
EBC-10 Time Saver Base	FFS06724010
EBC-20 Relay Base	FFS06724020