

Conventia Multisensor Smoke Detector EDC-30

Instruction Sheet
R10082GB0



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1 **Conventia Multisensor Smoke Detector EDC-30**

The optical sensor is identical to the one in the Conventia optical smoke detector. 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 multisensor smoke detector. Conventia product family also comprises a TimeSaver base and a Relay base.

The Conventia products are compatible with the FX-CLC loop interface.

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 | FFS0672 4621 |
| EBC-10 Time Saver Base | FFS0672 4010 |
| EBC-20 Relay Base | FFS0672 4020 |