

ESMI22051TE Multi- criteria detector without isolator

Instruction Sheet
R10158GB0



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1 ESMI22051TE Multi-criteria detector without isolator

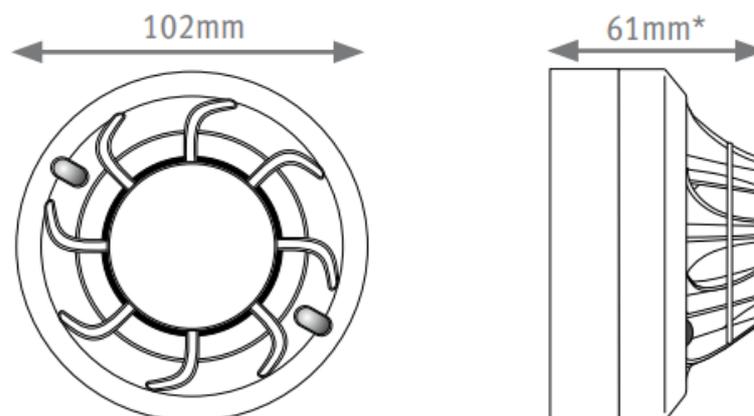
The revolutionary ESMI22051TE Optical Smoke Detector without Isolator advanced range delivers a detector platform that incorporates the Schneider Electric protocol. The protocol delivers more devices on the loop and gives greater control, configurability and device management whilst enabling the overall system to be optimised to the location and use of the building with far greater flexibility than ever before.

The ESMI22051TE multi-criteria multi-sensor photo thermal detector uses thermal assistance to the core photoelectric smoke detector to give enhanced false alarm immunity and faster response to a wide range of incipient fires. The plug-in unit combines two separate sensing elements that are managed by embedded software to act as a single unit. The 22051TE conforms to EN54-5, a 58°C fixed temperature and rate of rise thermal, with the smoke detection element conforming to EN54-7.

The thermal detection function combines thermistor technology with a software corrected linear temperature response. In areas where the normal daytime activities may potentially create unwanted alarms, the detector can be programmed to operate in a “heat only” mode, automatically reverting to full photo-thermal operation during unoccupied periods.

The sensing elements of the ESMI22051TE are panel controllable so the sensitivity thresholds of each element can be changed by the panel offering the ability to customise the device for the changing use of the area it is protecting. The ESMI22051TE has two integral tri-colour LEDs that provide 360° local visual indication of the device status. The LEDs are programmable with static or blinking red, amber and green status indications available.

All Series detectors are environmentally friendly and meet the WEEE and RoHS legislative requirements, minimising end of life disposal costs, and are mechanically and electrically backwards compatible with existing devices.



Product code: FFS06710604

1.1 Features

- Two sensor multi-criteria fire detector incorporating photoelectric, and thermal sensing elements
- New mechanical platform with revolutionary chamber
- Includes Schneider Electric protocol
 - Available with or without single pole short circuit isolation with status control through the Schneider Electric protocol
- Tri colour LED offering red, green and amber colours
- Rotary decade address switches
- Pure white colour to compliment modern buildings
- 100% mechanical and electrical backwards compatibility
- New Base design to compliment the detector