

Advanced Intelligent Photoelectric Smoke Detector FTX - P1 FILTREX

Overview

- Advanced intelligent detection functionality
- Fully digital addressing technology
- Includes Advanced ADEVA protocol
- High density filter removes particulate down to 34 microns
- Air delivery system is separately powered and fully supervised
- Filter is easily field replaceable
- Approved for use in high airflow (20m/s)
- Three-colour LED detector status indicator
- Rotary decade address switches
- Pure white colour to compliments modern buildings
- New base design to compliment the detector
- Tested and approved to EN54-7:2000+A1:2002+A2:2006



Description

The Filtrex™ Smoke Detector provides early warning smoke detection in difficult environments where traditional smoke detectors are not practical. Using a small air intake fan and a high density replaceable filter, air and smoke are drawn into a photoelectric sensing chamber while dust is removed. This feature allows Filtrex to protect in difficult applications, such as textile or paper mills, where previously only thermal detectors could be used. A second non-removable filter protects the detector from dust whilst the primary filter is being replaced.

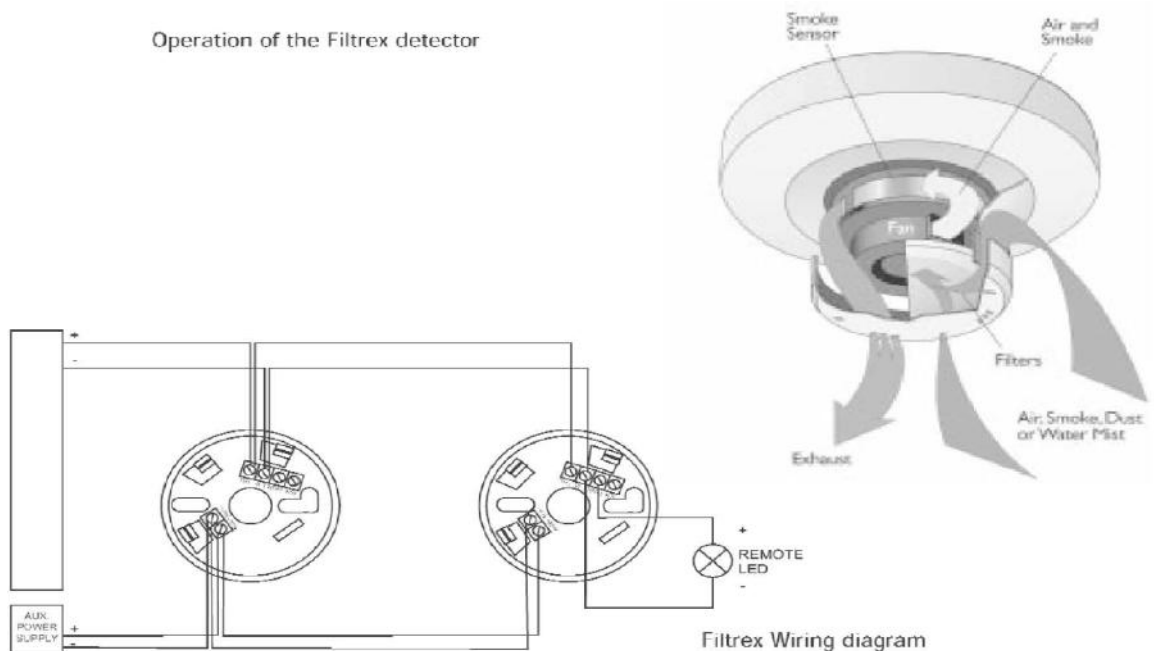
The fan in the Filtrex detector is powered from a separate 24V supply. In order to minimise current consumption, the fan is pulsed – 5 seconds on and 30 seconds off. The correct operation of the fan and filter is constantly supervised, and a fault signal is generated if the fan fails, or if the filter becomes blocked. Filtrex can be used with any panel compatible with existing FCO731 detectors, but requires an external 24V power supply and should be mounted only in the special B524FTXE base.

Model FTX-P1 smoke detectors include a tamper feature that prevents removal from the base without the use of a tool.

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Architect/Engineer Specifications

Operation of the Filtrex detector



All ADEVA products are covered by our extended 5 years manufacturer warranty.

Electrical Specifications

Operating Voltage Range (detector)	15 to 30VDC
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Current Consumption Detector	200µA at 24VDC (without communication)
Air Delivery System	6mA standby 123mA maximum 60mA typical when chacking for smoke 27mA average 80mA typical when checking for proper airflow

Environmental Specifications

Operation Temperature	-10°C to +55°C
Relative Humidity	10% - 93% Relative Humidity (non-condensing)

Mechanical Information

Height	72mm (98mm including base)
Diameter	104mm
Weight	214g

Product Range

Mounting Base	B524FTXE			
Water Resistance Dust Cover	B524FTXE - WRC			
Replacement Filter	RF FTX			
Wet Base	WB1			
Other Devices in range	FCO731 / FCOI731	FCHR751 / FCHRI751	2251CTLE	2251EIS
	FCOT721 / FCOTI721	FCHF741 / FCHFI741	7251	6500
	FCOTI781 / FCOII781	FCHH761 / FCHHI761	DNRE	

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