



The Fyreye optical smoke detector incorporates a pulsing infra red LED located in an optical chamber inside the detector. The chamber is designed to eliminate the effect of any external light source. A Photodiode is located inside the optical chamber at an angle to the IR LED.

Under normal conditions no IR reaches the photodiode. But when smoke enters the chamber it causes the IR to scatter, and this will then be picked up by the photodiode. If the photodiode "sees" smoke on the 2 following pulses, the detector enters the alarm state, and lights its LED

- Advanced electronic technology used to minimise false alarms.
- Wide operating voltage 9-33 Volts
- Designed to meet approvals worldwide
- Can be used on security systems
- Compatible with a wide range of bases
- Attractive design
- Can be fitted to a duct-sampling unit.
- Remote LED output
- Lockable to base to stop unauthorised removal
- IP 43

ELECTRICAL SPECIFICATION

Model	FEO2000	
Part No	80-020	
Supply Voltage	9-33V DC	
Average quiescent current at 9V	35uA	
Average quiescent current at 24V	40uA	
Alarm Indication	Clear LED, Red in alarm	
Alarm current at 9V	17mA	
Alarm current at 24V	52mA Max	
Alarm Trigger condition	3% per Metre smoke obscuration	
Operating Temperature	-20 to +60 °C (non condensing or icing)	
Max wind Speed	Not affected	
Remote output Characteristics	Current Sink to -ve line (17mA max)	
Compatible Bases	FE-CB Fyreye Common Base FE-DB Fyreye Diode Base FE-RB Fyreye Relay Base	
Detector size (without base)	100mm diameter x 40mm deep	
Weight (without base)	94g	

Model	ZT0U/C	ZT0U/R
Part No	48-009C	48-009D
Supply Voltage	9-33V DC	
Average quiescent current at 9V	35uA	
Average quiescent current at 24V	40uA	
Alarm Indication	Clear, Red in alarm	
Alarm current at 9V	17mA	32mA
Alarm current at 24V	52mA Max	67mA Max
Operating Temperature	-20 to +60 °C	
Max wind Speed	Not affected	
Remote output Characteristics	Current Sink to -ve line (17mA max)	
Enclosure size	125 x 125 x 100 mm (WxDxH)	
Supplied with base	Common Base	Relay Base
Weight	512g	600g

