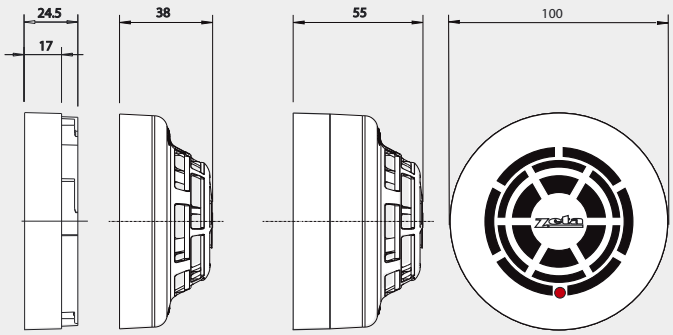
FEHR2000 & FEFH2000
Fyreye Conventional Heat Detectors

The Fyreye Class A1R (rate of rise) heat detector operates by utilising a matched pair of thermistors to sense heat. One of these thermistors is exposed to the ambient temperature, while the other is sealed inside the detector housing. Under normal conditions, both thermistors register similar readings. As fire develops, the temperature registered by the exposed thermistor will rise rapidly, resulting in an imbalance, causing the detector to go into its alarm condition.

Rate of rise heat detectors also have an upper temperature limit at which the detector will go into alarm if the rate of temperature increase was too slow to trigger the detector earlier. The Fyreye Class CS (Static response or fixed temperature) heat detector has only one thermistor, and changes to the alarm state at a preset temperature.



MODEL	FEHR2000	FEFH2000
PART NO	80-030	80-040
SUPPLY VOLTAGE	9-33V DC	
AVERAGE QUIESCENT CURRENT AT 9V	40µA	
AVERAGE QUIESCENT CURRENT AT 24V	45µA	
ALARM INDICATION	Red LED	
ALARM CURRENT AT 9V	17mA	
ALARM CURRENT AT 24V	52mA Max	
ALARM TRIGGER CONDITION	Rise, or 57°C	90°C
OPERATING TEMPERATURE	-20° to +90°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 FE-SB Sounder Base FE-SFB Sounder Flasher Base FE-RB/AR 12V Auto Relay Base	
DETECTOR SIZE (WITHOUT BASE)	100mm diameter x 40mm deep	
WEIGHT (WITHOUT BASE)	77g	