

# FF Data Sheet | Conventional Heat Detector

## FWCS3500

### Conventional Heat Detectors Class A1R / Class B

The FWCS3500 Series Conventional Heat Detectors are cost-effective, aesthetically pleasing solutions designed for open area fire protection where smoke detection is not suitable. Available in Class A1R (rate-of-rise) and Class B (fixed temperature) variants, these detectors provide reliable fire detection across a wide range of applications.

Both models feature a centrally positioned LED with 360° visibility to clearly indicate detector activation, along with an in-built magnet test facility for easy testing and verification. The low-profile design ensures a discreet appearance, while a selection of compatible connection bases allows integration with most conventional fire control panels.

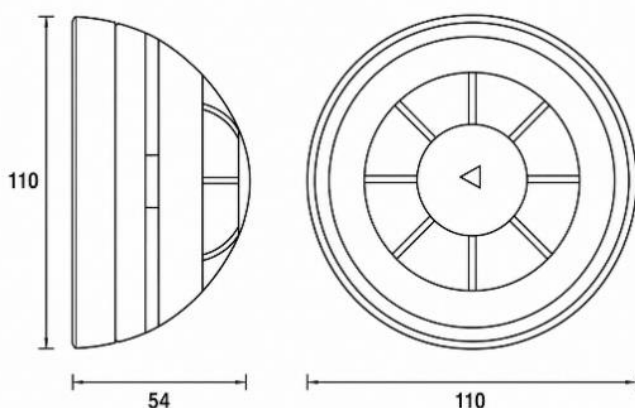
The Class A1R version responds to rapid increases in temperature as well as fixed heat levels, making it ideal for areas requiring faster detection. The Class B version operates at a higher fixed temperature, suitable for environments with normal temperature fluctuations.



#### Key Features

- Available in Class A1R (rate-of-rise) and Class B (fixed temperature) variants
- 3rd party certified
- Central LED with 360° visibility
- Low-profile design
- Programmable flashing LED function
- In-built magnet test feature
- Colour options available
- 5-year product warranty

## Diagram




## Specifications

|                                         |                         |
|-----------------------------------------|-------------------------|
| <b>Power supply</b>                     | 10 – 30Vdc              |
| <b>Average standby current</b>          | 60 $\mu$ A @ 24 Vdc     |
| <b>Max alarm current</b>                | 40 mA                   |
| <b>Max remote output current</b>        | 18 mA                   |
| <b>Dimensions</b>                       | 110mm x 54 mm           |
| <b>Weight (with base)</b>               | 190g                    |
| <b>Operating Temperature (no icing)</b> | -10°C to +55°C          |
| <b>Max Humidity</b>                     | 95% RH (non-condensing) |
| <b>IP rating</b>                        | 40                      |

## Alarm Thresholds

|                                                 |      |
|-------------------------------------------------|------|
| <b>Class A1R heat alarm threshold</b>           | 58°C |
| <b>Class B high-temperature alarm threshold</b> | 78°C |