

# FF Data Sheet | Digital Addressable Detector

## FWHTX

### Digital Distributed Intelligence Point Heat Detector

The FWHTX is a digitally intelligent point-type heat detector designed for use with Fusion AU AU-5000 fire alarm control panels. It features advanced Distributed Intelligence technology, integrated bi-directional short circuit isolators, and a built-in magnet test function for simplified commissioning and maintenance.

Continuously monitoring temperature variations in the protected area, the FWHTX delivers rapid and reliable fire detection in environments where smoke detection is not suitable.

It supports both Rate-of-Rise (A1R) and Fixed Temperature Class B operation modes, offering flexibility across a wide range of applications.

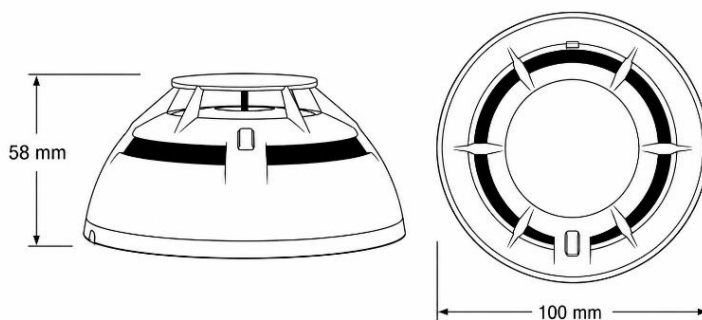
Its sleek, low-profile design ensures an aesthetically pleasing appearance, while dual bi-colour LEDs provide 360° visibility for clear status indication.



### Key Features

- Dual thermal sensitivity modes: Rate-of-Rise (A1R) and Fixed Temperature (Class B)
- Utilises Fusion's Digital Distributed Intelligence protocol for enhanced noise immunity
- 360° visibility via dual bi-colour status LEDs
- Integrated bi-directional short circuit isolators for streamlined fault detection and loop integrity
- Magnet test function for easy activation and testing
- Open style mounting base for simplified installation and secure low-pressure locking
- Supports manual addressing via programming tool or auto-addressing through the control panel
- Compliant with AS 7240.5 (Heat Detectors), AS ISO 7240.17, and AS 7240.13
- Black internal disk for easy identification (distinguishes it from multi-criteria detectors)

### Diagram



## Specifications

|                                        |                                      |
|----------------------------------------|--------------------------------------|
| <b>Loop Voltage *</b>                  | 18 18-40 V dc                        |
| <b>Average Standby Current</b>         | 85 $\mu$ A @ 24V dc                  |
| <b>Remote Output Max Current</b>       | 20 mA                                |
| <b>Max number of loop addresses</b>    | 240                                  |
| <b>Operating Temperature Range</b>     | -30°C / +70°C                        |
| <b>Humidity (non-condensing) Max</b>   | 95% RH                               |
| <b>Dimensions H x D</b>                | 58 x 100 mm                          |
| <b>IP Rating</b>                       | IP40 (IP42 with silicon base gasket) |
| <b>Weight (Standard Base included)</b> | 130 g                                |

\* Product operates down to 15 V, but without LED indication.

## Certification & Approval

|                  |                             |
|------------------|-----------------------------|
| <b>AS7240.5</b>  | Point Type Heat Detectors   |
| <b>AS7240.17</b> | Short Circuit Isolators     |
| <b>AS7240.13</b> | Compatibility of Components |
| <b>CertMark</b>  | Certificate Number PC10065  |