ULCAH330
Intelligent addressable sensor



Our UL range has multiple options for intelligent addressable sensors. All sensors are designed for optimum functionality in mid-large sized builds. They are all soft addressed and have integral short circuit isolators.

All UL addressable sensors are specifically designed for compatibility with the UL addressable sensor base (UCAB300) and UL addressable sounder base (ULCAS380).

Details of the sensor are included over the page.

Features and benefits

- Built-in short circuit isolators
- Stylish low profile design
- 360° viewable LED design
- Removable detector chamber
- Drift compensation
- Plug and play, no hard addressing required
- 'Clean me' feature means sensor can be cleaned on site using the Eaton manual cleaning procedure
- The programmable heat sensor reduces the number of parts required in the system

Heat sensor (ULCAH330)

Rate of rise with fixed heat sensor settings will detect a rapid increase in temperature or temperatures above 135°F, and should be used in environments where the ambient conditions might cause false alarms if smoke detection were to be used, for example where there is a high level of dust, fumes, steam or smoke under normal conditions.

Fixed heat sensor settings will detect temperatures above 135°F or 194°F and should be used in environments where the ambient conditions might cause false alarms if smoke detection were to be used, for example where there is a high level of dust, fumes, steam or smoke under normal conditions.

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Technical specification

Code	ULCAH330
Description	Addressable sensor, multi-mode heat
Standards	UL521
Supply ratings	
Working voltage	18 V dc to 30 V dc
Voltage waveform	Filtered dc +/- 1 V (max), ripple @120Hz
Standby current	220 µµA (average)
Alarm current	5 mA (max)
Timings	
Start-up time	2 seconds
Reset time	2 seconds (max)
Sensitivity	
Sensitivity	N/A
Sensitivity checker	Use No-Climb, TRUTEST, UL Listing 77TL
Heat class	
Heat element rating	135ºF ROR + Fixed, + Fixed 135ºF Fixed, 194ºF Fixed
Heat detector spacing	50ft
Physical	
Mounting position	Ceiling in open areas
IP rating	IP40
Environmental	
Operating temperature	32ºF to 100ºF / 32ºF to 150ºF (194ºF setting)
Compatibility	
Compatibility identifier	W002
Compatible bases	UCAB300
Suitable for use with	Eaton UL fire systems
Dimensions	
Diameter (mm) (incl base)	104
Depth - D1 (mm) (incl base)	55
Depth - D2 (mm) (excl base)	43
Performance	
Heat element rating	ROR + Fixed 135°F, Fixed 135°, Fixed 194°F
Heat detector spacing	50ft
Heat class	A2R

LEDs

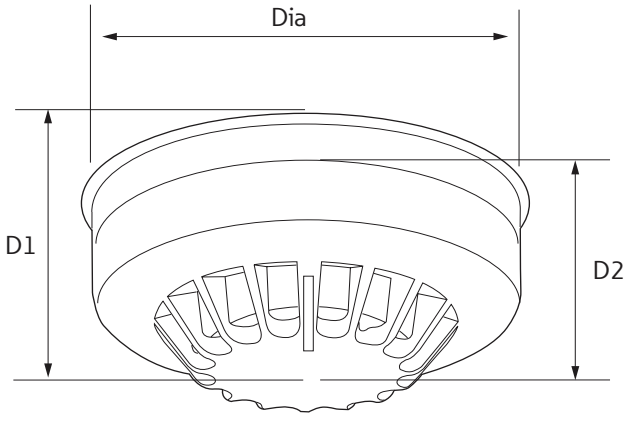
LED state	LED state behaviour	System event
Off	LED is not illuminated.	Global flash is disabled**.
Slow flash	Momentary flash approximately once every 30 seconds*.	Global flash enabled. Detector is in quiescent state.
Fast flash	Momentary flash approximately 25 times per minute*.	>24 detectors are in fire state.
On	LED is constantly illuminated.	Detector is in fire state.

*Timing can vary depending on loop address quantities.

**Detector flash in quiescent state can be disabled via control panel menu (ULCF3000).

Catalogue numbers

Description	Code
ULCAH330 Heat sensor	400007FIRE-0013X
Addressable sensor base	UCAB300
Addressable sounder base	ULCAS380



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