

ADDRESSABLE MULTIPOINT ASD DETECTOR/SOUNDER/STROBE

DESCRIPTION

The Addressable Multipoint ASD is a plug-in type smoke detector that utilizes a photo-electric sensing chamber to make a measurement corresponding to smoke density. The device also incorporates a thermistor sensing circuit to allow for accurate heat measurement. These elements allow the device to be configured to one of 3 smoke, 3 heat or a combined setting. The device can also be fitted with an integral sounder or sounder/strobe capable of providing one of 7 different tones, operating at 65, 80 or 85dB(A) dependant on programming. This feature reduces the requirement for fitting extra annunciation devices. The detector is designed with a single colour red LED to indicate the device status; 400ms flashing indicates that the detector has been activated, 5 second flashing indicates the detector is in fault and 20 second flashing indicates a normal condition. Short circuit isolators are also built into the device in order to protect the system in the event of a cable fault.

This detector is compatible with Fike's SITA200plus, Duonet and Quadnet intelligent control panels. Its operating parameters are configured using the panel's programming software and are stored within the Flash memory in the device. This on-board intelligence allows each detector to report and respond directly to the control panel without having to wait until it is polled. This enhanced digital protocol means less information is needed to be sent between the detector and the host control panel, resulting in faster, more reliable communication.

SPECIFICATIONS

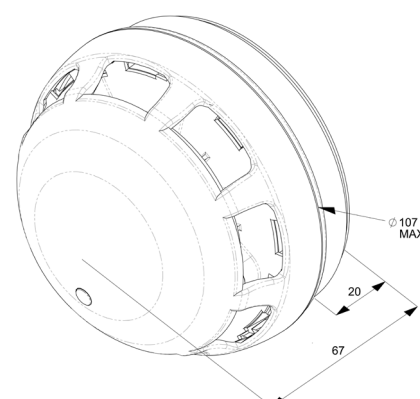
Dimensions:	Diameter: 107mm Depth: Standard inc base 67mm Depth: Strobe inc base 75mm
Operating Temperature:	-10°C to +50°C.
Voltage Range:	24V to 42V DC
LED Indication:	Normal: 50ms on / 20ms interval Fault: 0.1ms on / 5s interval Fire: 50ms on / 400ms interval
Sounder Volume:	Low: 65dB(A)+ Medium: 80dB(A)+ High: 85dB(A)
Strobe Operation:	5ms on / 1s interval
System Compatibility:	SITA200plus: V2.30 onwards Duonet and Quadnet: V1 onwards
Battery Current @ 24V DC:	Quiescent: 0.12mA Active: No Sounder 2.07mA (8.32mA with strobe) Active: Low Sounder 3.09mA (9.34mA with strobe) Active: Med Sounder 8.39mA (14.64mA with strobe) Active: High Sounder 12.17mA (18.42mA with strobe)
Device Loading Unit Rating:	No Sounder: 1 (4.5 with strobe) Low Sounder: 1.5 (5 with strobe) Med Sounder: 4.5 (8 with strobe) High Sounder: 6 (10 with strobe)

APPROVALS

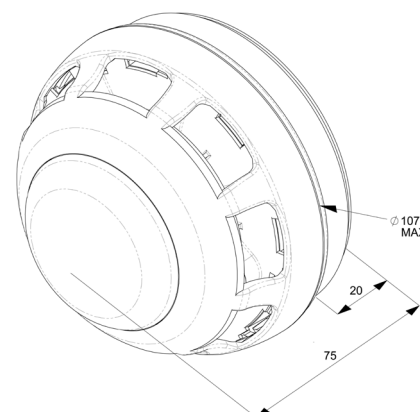


331n/01, 331f/01, 331f/02.

Approved to: EN54 Part 5, EN54 Part 7, EN54 Part 17
(Sounder version is also approved to EN54 Part 3)



Multipoint ASD
(All measurements shown are in millimetres)



**Multipoint ASD
with Sounder and Strobe**
(All measurements shown are in millimetres)

Form No. FST.2.01.01-1

ORDERING INFORMATION

Fike P/N	Description
205 0001	Multipoint ASD
205 0003	Multipoint ASD with Sounder
205 0012	Multipoint ASD with Sounder and Strobe

DETECTOR AND SOUNDER SETTINGS

	Type	Description
Smoke Modes	SM1	Thermally enhanced optical detector. Used where ionization detectors are normally fitted, especially where there are high ceilings or a risk of free burning fires.
	SM2	Enhanced optical. General purpose smoke detector. To be used where optical detectors are normally fitted, where there is a risk of a smouldering fire (and for escape routes).
	SM3*	Enhanced optical with smoke pulse rejection. Used where optical detectors are normally used in positions exposed to brief concentrations of smoke or water vapour e.g from a bathroom, kettle, etc.
Heat Modes	HM1	Rate of rise to 58°C. Used where a standard rate of rise detector would be fitted, e.g. not kitchens.
	HM2	Low fixed temperature 58°C. Used where a standard fixed temperature heat detector would normally be fitted.
	HM3*	High fixed temperature 90°C. Used where a high fixed temperature heat detector would normally be fitted.
Sound Patterns	SP0	Sounder off
	SP1	Single tone, 970 Hz continually
	SP2	Pulsed UK alert signal, 970 Hz 1s on, 1s off
	SP3	Dual tone UK evacuate signal, 970 Hz 0.25s, 800 Hz 0.25s
	SP4	Sweep up, 800 Hz to 970 Hz over 1s
	SP5	Slow whoop up, 500 to 1200 Hz over 3s, 0.5s off
	SP6	Sweep down, 1200 Hz to 500 Hz over 1s
	SP7	Dual tone French warble, 550 Hz 0.1s, 440 Hz 400ms
Sound Volume	L/M/H	Low 65dB(A), medium 80dB(A) and high 85dB(A) settings are available.

* Non LPCB certified.

TERMINAL DEFINITIONS

1	(-) Loop In/Out (Remote indicator 0V)	4	(+) Auxiliary (Remote indicator +VE)
2	(+) Loop In	5	(-) Auxiliary
3	(+) Loop Out	SCRN	Loop Screen In/Out



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Form No. FST.2.01.01-1 April, 2013 Specifications are subject to change without notice.