

SSF-AS-851R-IV & SSF-BS-851-IV FlashScan Analog Addressable Sealed Thermal Fixed Detector

FEATURES

- ✓ IP67 rated
- ✓ No interface module required
- ✓ Fly lead design
- ✓ Twin LED functionality
- ✓ Ideal for coolrooms



PRODUCT DESCRIPTION

The SSF-BS-851-IV is a waterproof intelligent addressable fixed point 63°C heat sensor ideal for coolroom applications. The SSF-AS-851R-IV is a waterproof intelligent addressable rate of rise heat detector.

The detector is sealed against the entry of moisture to a rating of IP67 and connects directly to the addressable loop without the need for interfacing modules or any additional wiring.

As with all FlashScan heads the detector can be addressed from 1-159 and has twin LEDs which will flash green when normal and latch red when the detector is in alarm.

Due to the IP67 nature of the product, the detector does not have traditional address wheels. The detector address is set by the use of a hand held programmer (SSF-ADD-PROG) before installation.

***Programmers (SSF-ADD-PROG) are supplied separate at additional cost.**

Alternatively the detector can be factory programmed prior to shipping on request.

TECHNICAL SPECIFICATIONS

Detectors Per Loop (total)	159
Operating Voltage Range	15 to 32Vdc
Standby Current	300µA @ 24Vdc
Maximum Alarm Current (LED on)	6.5mA @ 24Vdc
Operating Humidity Range	10% to 90% Relative humidity, non-condensing
Operating Temp Range	-20° to 50°C
Alarm Threshold (SSF-AS-851R-IV)	63°C or an increase of greater than 8.3°C/minute
Alarm Threshold (SSF-BS-851-IV)	63°C
IP Rating	IP67
Dimensions	51mm H x 104mm diameter installed in B501 base

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STANDARDS REFERENCE

Type (FireSense Part No.)	AS 1603.1.1997 Reference	AS 7240.5.2018 Reference
SSF-A-851R	Type A	Class A2R
SSF-B-851	Type B	Class A2
SSF-AS-851R-IV (sealed)	Type A	Class A2R
SSF-BS-851-IV (sealed)	Type B	Class A2
SSF-D-851H-IV	Type D	Class C
SSF-D-851H-W	Type D	Class C

WIRING INSTALLATION GUIDELINES

This detector provides six wires which are divided into three groups, separately two red, two white and two black wires.

Terminal Notes:

Red wire: Power/Loop +ve

Black wire: Power/Loop -ve (also Remote LED -ve)

White wire: Remote LED +ve

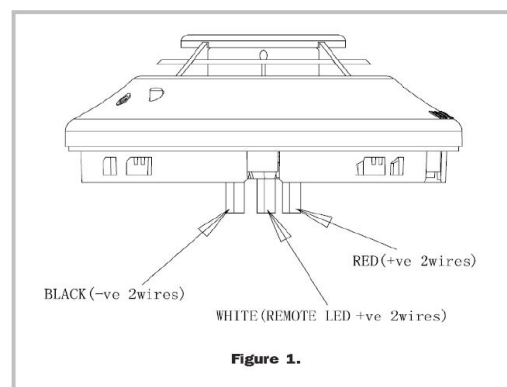


Figure 1.

WIRING DIAGRAM

1. Set the sensor to a desired address with handheld programmer.
2. Connect the Wires to loop wiring as per the wiring diagram, see Figure 2.
3. Install the sensor into the sensor base. Push the sensor into the base while turning it clockwise to secure it in place.
4. After all sensors have been installed, apply power to the control unit and activate the communication line.

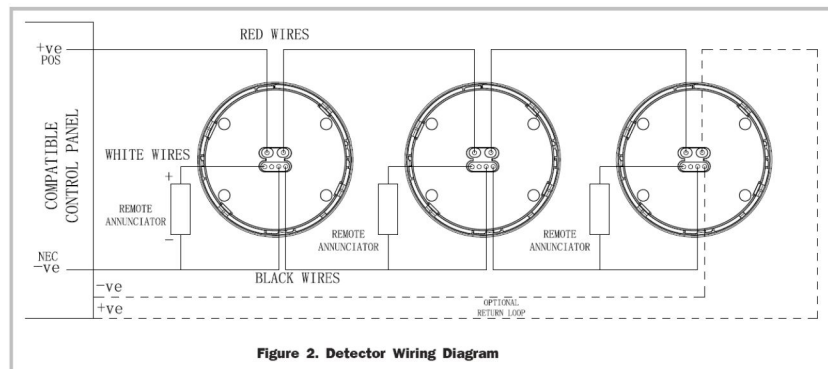


Figure 2. Detector Wiring Diagram

APPROVALS

✓ SAI Global - Certificate No. SMKH25312