

FEATURES

- ✓ Extra low voltage detector certified and listed to AS3786:2014
- ✓ Can be connected to security panels
- ✓ Low profile design in ceiling white housing
- ✓ 85dB(A) at 3 meters
- ✓ 9-24Vdc operation
- ✓ On-board 9V back-up battery
- ✓ NO/NC change-over alarm relay contacts
- ✓ 8 second alarm verification feature
 - Audible emergency evacuation signal (ISO 8201)
- ✓ Custom dual-mode alarm relay, interconnect feature
- ✓ Automatic diagnostic test feature
- ✓ Custom 'easy-clean' chamber
- ✓ 'HUSH' / test push button feature
- ✓ Interconnect up to 24 smoke alarms
- ✓ Temporal horn pattern
- ✓ Green and red bi-color LED indication
- ✓ Visual and audible indication (chirp twice every 40 Sec) when chamber test fails of low battery and other fault conditions
- ✓ Supplied with mounting base



PRODUCT DESCRIPTION

The SS-2012-24 is designed to provide early warning of developing fires for occupants of residential and commercial buildings. The SS-2012-24 is a photoelectric smoke alarm that is designed for open area protection.

Its compact design makes it attractive to look at and easy to install. The SS-2012-24 photoelectric smoke alarms are designed to respond to a broad range of fires while providing maximum stability.

The extra low voltage wiring make them ideal for applications such as apartment buildings and nursing homes. Designed for use as open area protection up to 24 units may be interconnected.

These multi-voltage, 4 wire smoke alarms can be connected to many thirdparty devices such as security alarm systems and access control systems. The SS-2012-24 is supplied complete with mounting ring and 9Vdc back-up battery.

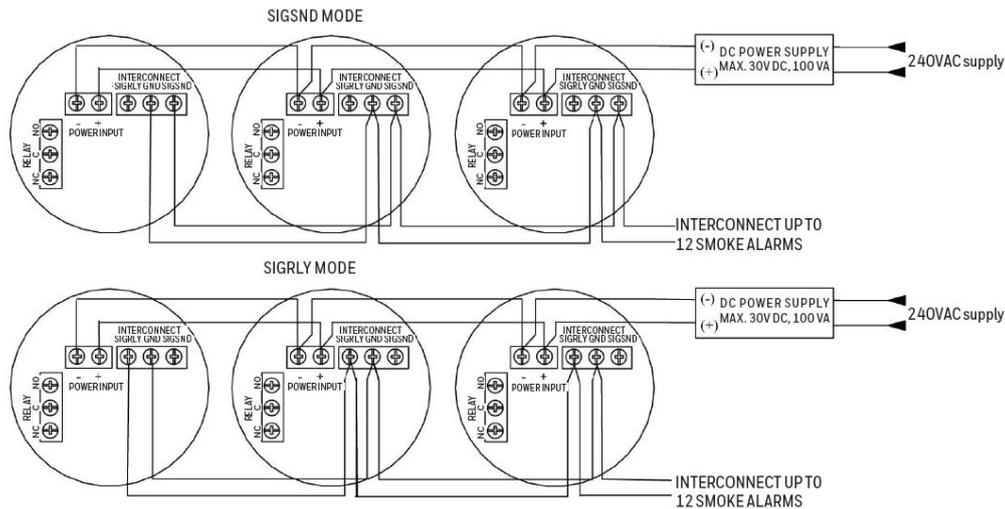
TECHNICAL SPECIFICATIONS

Supply Voltage Range	9Vdc to 30Vdc
Maximum Standby Current	60µA maximum average
Maximum Alarm Current	65mA maximum average @ 10~30Vdc
P-Horn Sound Output Level	85dBA @ 3m
Relay Contact Rating	1 Form C, 1A @ 30V (DC or AC)
Back-Up Battery	9Vdc carbon zinc battery
Dimensions	55mm H × 135mm diameter
Weight	220g
Operating Temperature Range	0°C to 50°C
Relative Humidity	5% to 93%

APPROVALS

- ✓ ActivFire certified - Listing No. afp-3289
- ✓ Approved to AS3786:2014

WIRING DIAGRAM



Maximum power bus length in meters, given number of units (maximum per bus) and wire size (mm). Supply voltage = 12Vdc

Wire Size	1 Unit	2 Units	3 Units	4 Units	5 Units	6 Units	7 Units	8 Units
1.5mm	3302m	1652m	1101m	826m	660m	551m	471m	413m
1mm	1633m	817m	544m	408m	327m	273m	233m	205m
0.75mm	819m	411m	273m	205m	163m	138m	117m	103m

Wire Size	9 Units	10 Units	11 Units	12 Units	13 Units	14 Units	15 Units	16 Units
1.5mm	366m	331m	301m	275m	254m	236m	220m	206m
1mm	182m	163m	149m	135m	126m	117m	109m	102m
0.75mm	91m	82m	75m	68m	63m	59m	55m	51m

Wire Size	17 Units	18 Units	19 Units	20 Units	21 Units	22 Units	23 Units	24 Units
1.5mm	194m	183m	174m	165m	157m	150m	144m	138m
1mm	96m	91m	86m	82m	78m	74m	71m	68m
0.75mm	48m	46m	43m	41m	39m	37m	36m	34m

For 24Vdc supply voltage, the maximum power bus length is 4 times as long as 12Vdc supply voltage. Maximum interconnect bus length: 2000meters, 0.75mm or larger cable. All wiring must conform to local electrical codes.