Wireless Addressable Optical Smoke Detector

Model No - AW103SD

Overview:

This Wireless Addressable Smoke Detector houses smoke sensor for monitoring the level of smoke in its surveillance. It switch to alarm state, when the level of smoke reaches its pre-set level. This detector with a unique ID communicates to the control panel to alert the exact location of emergency. This unit is powered by built in AA Battery. When battery power is Low, it communicates to control panel to alert for replacement. It also communicates preliminary stage of Alarm (Pre Alarm) and Contamination alarm. This unit is mainly used, where wiring is not feasible.

Specification

Electrical Specifications

Operating voltage	3V DC
Quiescent current	3µA
Alarm current	1mA
Battery Type	2x1.5V AA Size Battery
Carrier frequency	433.92 MHZ

Indications

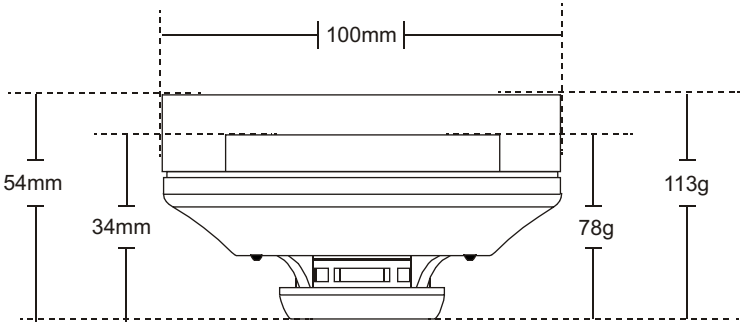
Normal	Green LED (Blinks 50+/-10 sec)
Alarm	Red LED (Glows steady)

General Specifications

Smoke sensitivity	1+/ - 0.5 %obs/ft
Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Life time of battery	18 Months
Humidity	0-95% RH (Non-condensing)
Color	White
Housing	Polycarbonate
Compatibility	ALAW2XV1 Protocol

Mechanical Specifications

Dimensions(DiaxH)		**Weight**	
Without Base	100x34mm	**Without Base**	78g
With Base	100x54mm	**With Base**	113g



DATASHEET

Wireless Addressable Heat Detector

Model No - AW103HD

Overview:

This Wireless Addressable Heat Detector houses thermal sensor for monitoring the level of heat in its surveillance. It switch to alarm state, when the level of heat reaches its pre-set level. This detector with a unique ID communicates to the control panel to alert the exact location of emergency. This unit is powered by built in AA Battery. When battery power is Low, it communicates to control panel to alert for replacement. It also communicates preliminary stage of Alarm (Pre Alarm) and Contamination alarm. This unit is mainly used, where wiring is not feasible.

Specification

Electrical Specifications

Operating voltage	3V DC
Quiescent current	3µA
Alarm current	1mA
Battery Type	2x1.5V AA Size Battery
Carrier frequency	433.92 MHZ

Indications

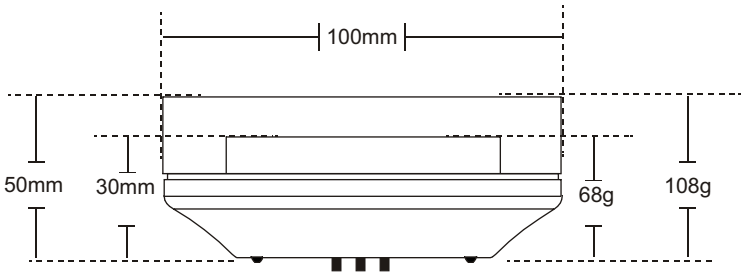
Normal	Green LED (Blinks 50+/-10 sec)
Alarm	Red LED (Glows steady)

General Specifications

Thermal sensitivity	57ºC
Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Life time of battery	18 Months
Humidity	0-95% RH (Non-condensing)
Color	White
Housing	Polycarbonate
Compatibility	ALAW2XV1 Protocol

Mechanical Specifications

Dimensions(DiaxH)		**Weight**	
Without Base	100x30mm	**Without Base**	68g
With Base	100x50mm	**With Base**	108g



DATASHEET

Wireless Addressable Multisensor

Model No - AW103MD

Soft addressing

Contamination alarm

Low Battery warning

Pre-alarm

Insect-resistant screening

Easy to maintain/service

Dual bi-color LED indication for 360°viewing angle

Overview:

This Wireless Addressable Multisensor Detector houses smoke and thermal sensors for monitoring the level of smoke and heat in its surveillance. It switch to alarm state, when the level of smoke and heat reaches its pre-set level. This detector with a unique ID communicates to the control panel to alert the exact location of emergency. This unit is powered by built in AA Battery. When battery power is Low, it communicates to control panel to alert for replacement. It also communicates preliminary stages of Alarm (Pre Alarm) and Contamination alarm. This unit is mainly used, where wiring is not feasible.

Specification

Electrical Specifications

Operating voltage	3V DC
Quiescent current	3µA
Alarm current	1mA
Battery Type	2x1.5V AA Size Battery
Carrier frequency	433.92 MHZ

Indications

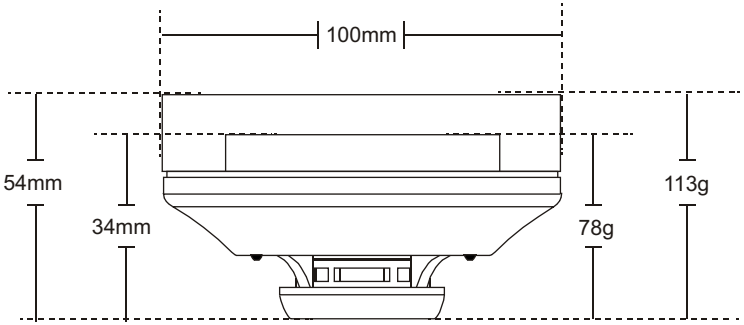
Normal	Green LED (Blinks 50+/-10 sec)
Alarm	Red LED (Glows steady)

General Specifications

Smoke sensitivity	1+/ - 0.5 %obs/ft
Thermal sensitivity	57ºC
Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Life time of battery	18 Months
Humidity	0-95% RH (Non-condensing)
Color	White
Housing	Polycarbonate
Compatibility	ALAW2XV1 Protocol

Mechanical Specifications

Dimensions(DiaxH)		**Weight**	
Without Base	100x34mm	**Without Base**	78g
With Base	100x54mm	**With Base**	113g



DATASHEET

Wireless Addressable Manual Call Point

Model No - AW104CP

- Soft addressing
- Blinking LED for visual supervision
- Flip cover to minimize false intervention
- No manual reset is required at MCP
- Easy install and elegant design

Overview:

This Manual Call Point is designed for instant manual actuation of fire notification system. This unit designed for indoors, employ a flip cover to minimize false intervention. Wireless detectors are battery powered and use radio modules for communication to the panel.

Specification

Electrical Specifications

Operating voltage	3V
Quiescent current	2µA
Alarm current	400uA
Battery Type	CMOS Battery
Carrier frequency	433.92 MHZ

Indications

Normal	Green LED (Blinks 60+/-10 sec)
Alarm	Red LED (Glows steady)

General Specifications

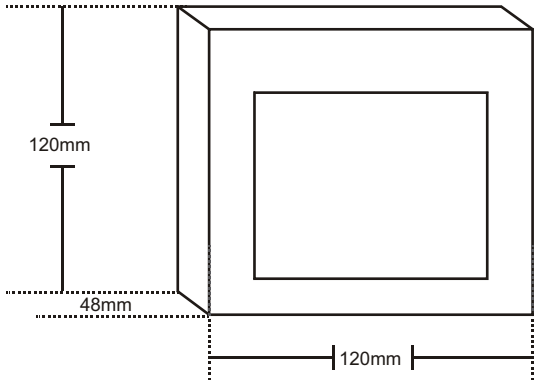
Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	Red
Compatibility	ALAW2XV1Protocol
Housing	ABS

Mechanical Specifications

Dimensions(HXWXD)	120x120x48mm

Weight

Without Backbox	108g
With Backbox	378g



DATASHEET

Airlight
THINKING AHEAD

Wireless Addressable Sounder Beacon Cum STU

Model No - AW104SBSTU

- Electronic addressing
- Extends the range of remote device
- Built-in battery and charger
- Remote silence facility
- Wire-free operation
- Easy to install, elegant design

Overview:

This device is designed to provide audio alarm to alert/evacuate in case of fire. IT also extends the range of remote wireless devices whose signal is not of enough strength to communicate with the control panel over a certain range of distance. It has unique address and recognizes two different signals, i.e. Alarm ON and Alarm silence. It uses radio frequency for wireless communication.

Specification

Electrical Specifications

Operating voltage	24V DC
Primary Supply	220V ±10%AC
Secondary Supply	3.7V DC (1500mAh Li-ion Battery)
Standby Current	8 mA
Alarm Current	30 mA
Signal Transmission Current	7.5 mA
Alarm output	83 mA
Carrier frequency	433.92MHz

General Specifications

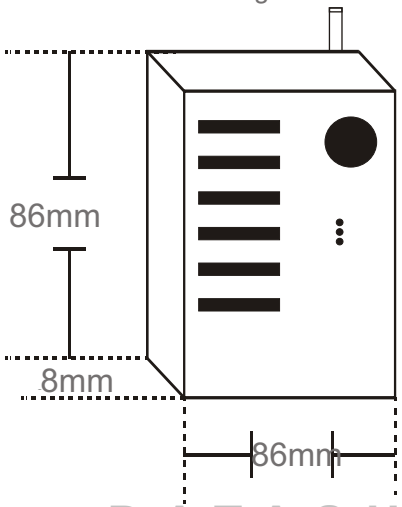
Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	White
Housing	Polycarbonate
Compatibility	ALAW2XV1 Protocol

Mechanical Specifications

Dimensions(HxWXD) 86x86X8mm

Weight

Without Backbox 110g



DATASHEET

Airlight
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Addressable Android Fire Alarm Control Panel With Voice Alarm-1 Loop

Model No - AN101FACP

Overview:

This Fire alarm control panel is a master unit of fire alarm system. Control panel front-end has a interactive display with touch screen control. Back-end has connectivity for fire detection line and audio notification line. Total system works on 24V DC. Panel has built in 230V to 24V power supply unit. This unit has built in battery charger and provision for SMF battery.

- Event logs
- Built-in Voice alarm with pre-recorded messages
- 2 Level Password protection
- 7”Graphic display
- Network versions available
- Transient voltage protection upto 2.4KV
- Android OS
- Touch screen control
- Uncompromising graphical experience
- Loop card extension facility in 2 & 4 loop panels
- High-tended emergency info.in the form of text, voice & floor map
- Corrosion protection

Specification

Electrical Specifications

Primary Power	110V/220V±10% AC, 60/50Hz
Standby Power	24V DC (12V, 7Ah SLA Battery,2Nos)
Charging Voltage	28 ± 1V
Charging Current	1A (max)
Operating Temperature	0° C to 49° C
Humidity	0-95% RH (Non-condensing)
No Of Zones	32(Max)
No of Loops	1

Signaling line circuits

Loop Current	250 mA/loop
Wiring	Class B, Style 4 Wiring
Loop Resistance	40 ohms

Devices Per Loop

Initiating Devices	127
Loop Resistance	40 ohms
Auxiliary Supply	480 mA @ 24V DC

Fuses

Supply Fuse	3 A Resettable fuse
Battery Fuse	3 A Resettable fuse
SLC Fuse	500 mA Resettable fuse
Auxiliary Supply Fuse	500 mA Resettable fuse
Display Resolution	800X480 Pixels
Display Size	7”
Compatibility	AU101X/ AUAA2X / ALPA2XV1 / ALAW2XV1 Protocol

Finish

Enclosure Dimensions (HxWxD)	460x390X130 mm
Housing Material	16 Gauge Cold Rolled sheet
Back Box	Black Matte
Front Door	Texture Red

Complied with:

UL 864-9th Edition

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Wireless Addressable Signal Repeater Unit

Model No - AW104STU

Electronic addressing

Remote silence facility

Extends the range of remote device

Wire-free operation

Built-in battery and charger

Easy to install, elegant design

Overview:

This device is engineered to extend the range of remote wireless devices whose signal is not of enough strength to communicate with the control panel over a certain range of distance. It uses radio frequency for wireless communication with carrier frequency of 433.92 Mhz.

Specification

Electrical Specifications

Operating voltage	24V DC
Primary Supply	220V±10%AC
Secondary Supply	3.7V DC,1 (500mAh Li-ion Battery)
Standby Current	8 mA
Signal Transmission Current	7.5 mA
Carrier frequency	433.92MHz

General Specifications

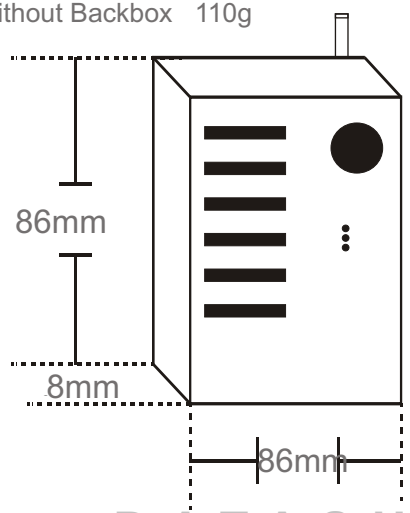
Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	White
Compatibility	ALAW2XV1 Protocol
Housing	Polycarbonate

Mechanical Specifications

Dimensions(HxWXD) 86x86X8mm

Weight

Without Backbox 110g



DATASHEET

Airlight
THINKING AHEAD

Wireless Addressable Input Interface unit

Model No - AW103IM

Soft addressing

Used to integrate wired and wireless system

Low profile elegant design

Easy to maintain/service

Dual bi-color LED indication for 360°viewing angle

Overview:

Wireless addressable input interface unit is designed to interface devices like wireless detectors/MCP with the addressable Fire alarm control panel. It consists of wireless receiver that accepts signal from wireless detectors/MCP and communicates to the fire alarm control panel along with alarm status like pre-alarm, alarm, contamination, low battery with device ID. This device is allocated with a unique ID, which facilitates their identification and control from the panel. Airlight interface units are connected to SLC and responds to regular polls to the panel.

Specification

Electrical Specifications

Operating voltage	17-27V DC
SLC Loop current	8 mA
Carrier Frequency	433.92Mhz

Indications

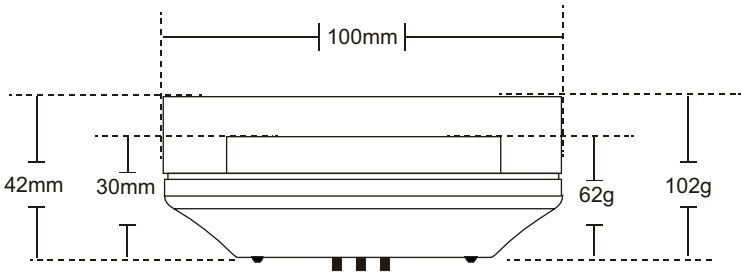
Normal	Red LED (Blinks during scan)
Alarm	Red LED (Blinks during signal reception)

General Specifications

Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	White
Compatibility	ALPA2XV1 Protocol
Housing	Polycarbonate

Mechanical Specifications

Dimensions(DiaxH)		**Weight**	
Without Base	100x30mm	**Without Base**	62g
With Base	100x42mm	**With Base**	102g



DATASHEET

Wireless Addressable Output Interface Unit

Model No - AW103OM

Soft addressing

Used to integrate wired and wireless system

Low profile elegant design

Easy to maintain/service

Dual bi-color LED indication for 360°viewing angle

Overview:

Wireless addressable output interface unit is engineered to interface output devices like sounder with addressable fire alarm control panel. It transmits activation command from the panel to the devices in case of fire and silence command when silenced. This device is allocated with a unique ID, which facilitates their identification and control from the panel. Airlight interface units are connected to SLC and responds to regular polls of the panel.

Specification

Electrical Specifications

Operating voltage	17-24V DC
Quiescent current	200µA
Data Transmission current	8 mA
Carrier Frequency	433.92 Mhz

Indications

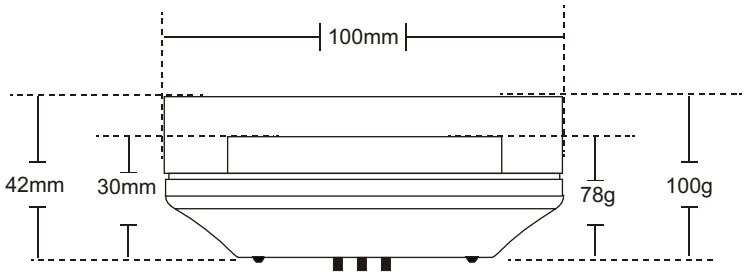
Normal	Green LED (Blinks during scan)
Alarm	Red LED (Glows steady)

General Specifications

Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	White
Compatibility	ALPA2XV1 Protocol
Housing	Polycarbonate

Mechanical Specifications

Dimensions(DiaxH)		Weight	
Without Base	100x30mm	**Without Base**	78g
With Base	100x42mm	**With Base**	100g



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