Airlight
THINKING AHEAD

Addressable Intelligent Optical Smoke Detector

Model No - AU101SD

- Soft addressing
- Contamination alarm
- Real time smoke info
- Remote test facility from the panel
- Remote sensitivity alteration from the panel
- Electrical supervision
- Insect-resistant screening
- Address can be changed from the panel
- Easy to maintain/service
- Dual bi-color LED indication for 360°viewing angle
- Transient voltage protection upto 2.4KV
- Corrosion protection

Overview:

This Addressable Intelligent Optical smoke detector is a networkable instrument that houses smoke sensor for monitoring the level of smoke in its surveillance. Its unique feature is to provide the live smoke level to the control panel for real time monitoring purpose.

Specification

Electrical Specifications

Operating voltage	17-27V DC
Quiescent current	200uA
Alarm current	1mA

Indications

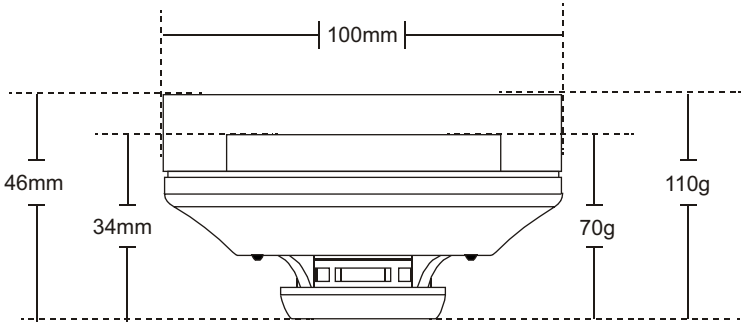
Normal	Green LED (Blinks during scan)
Alarm	Red LED (Glows steady)

General Specifications

Smoke sensitivity	0.5 - 3.5 %obs/foot
Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	White
Housing	Polycarbonate
Compatibility	AU101X Protocol
Contact Clamp	Stainless steel

Mechanical Specifications

Dimensions(DiaxH)		**Weight**	
Without Base	100x34mm	**Without Base**	70g
With Base	100x46mm	**With Base**	110g



Complied with:

UL 268-6th Edition
EN 54-Part 7
IS 11360

DATASHEET

Airlight
THINKING AHEAD

Addressable Intelligent Heat Detector

Model No - AA103HD

- Soft addressing
- Real time temperature info
- Remote test facility from the panel
- Remote sensitivity alteration from the panel
- Electrical supervision
- Address can be changed from the panel
- Easy to maintain/service
- Dual bi-color LED indication for 360°viewing angle
- Transient voltage protection upto 2.4KV
- Corrosion protection

Overview:

This Addressable Intelligent heat detector is a networkable instrument that houses thermal sensor for monitoring the level of heat in its surveillance. Its unique feature is to provide the live temperature to the control panel for real time monitoring purpose.

Specification

Electrical Specifications

Operating voltage	17-27V DC
Quiescent current	200uA
Alarm current	1mA

Indications

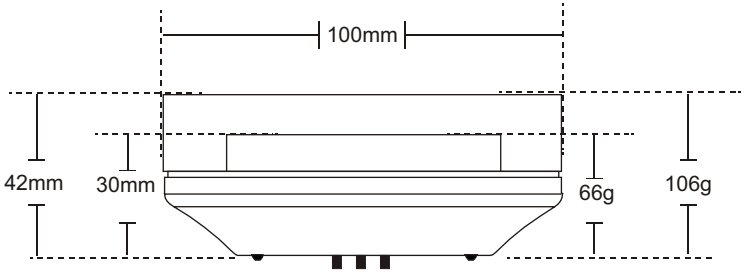
Normal	Green LED (Blinks during scan)
Alarm	Red LED (Glows steady)

General Specifications

Thermal sensitivity	57ºC
Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	White
Housing	Polycarbonate
Compatibility	AU101X Protocol
Contact Clamp	Stainless steel

Mechanical Specifications

Dimensions(DiaxH)		**Weight**	
Without Base	100x30mm	**Without Base**	66g
With Base	100x42mm	**With Base**	106g



Complied with:

UL 521-7th Edition
EN 54-Part 5
IS 2175

DATASHEET

Addressable Intelligent Multisensor

Model No - AU101MD

- Soft addressing
- Contamination alarm
- Real time smoke and temperature info
- Remote test facility from the panel
- Remote sensitivity alteration from the panel
- Electrical supervision
- Insect-resistant screening
- Address can be changed from the panel
- Easy to maintain/service
- Dual bi-color LED indication for 360°viewing angle
- Transient voltage protection upto 2.4KV
- Corrosion protection

Overview:

This Addressable Intelligent Multisensor is a networkable instrument that houses smoke and thermal sensors for monitoring the level of smoke & heat in its surveillance. Its unique feature is to provide the live temperature and smoke level to the control panel for real time monitoring purpose.

Specification

Electrical Specifications

Operating voltage	17-27V DC
Quiescent current	200uA
Alarm current	1mA

Indications

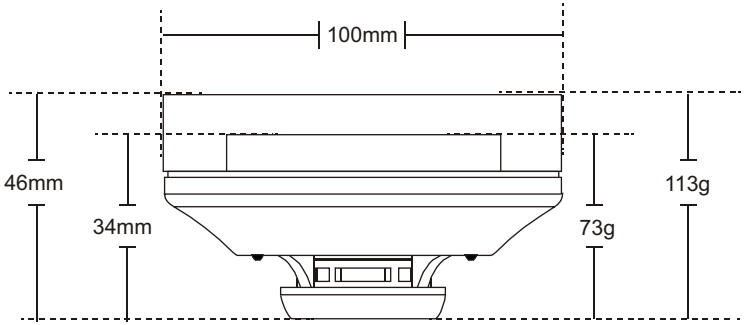
Normal	Green LED (Blinks during scan)
Alarm	Red LED (Glows steady)

General Specifications

Smoke sensitivity	0.5 - 3.5 %obs/foot
Thermal sensitivity	57ºC
Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	White
Housing	Polycarbonate
Compatibility	AU101X Protocol
Contact Clamp	Stainless steel

Mechanical Specifications

Dimensions(DiaxH)		**Weight**	
Without Base	100x34mm	**Without Base**	73g
With Base	100x46mm	**With Base**	113g



Complied with:

UL 268-6th Edition
521-7th Edition

EN 54-Part 7 & 5

IS 11360 & 2175

DATASHEET

Airlight
THINKING AHEAD

Addressable Intelligent Multisensor with Sounder

Model No - AA105MDS

- Soft addressing
- Contamination alarm
- Real time smoke and temperature info
- Remote test facility from the panel
- Remote sensitivity alteration from the panel
- Electrical supervision
- Built in sounder
- Insect-resistant screening
- Address can be changed from the panel
- Easy to maintain/service
- Dual bi-color LED indication for 360°viewing angle
- Transient voltage protection upto 2.4KV
- Corrosion protection

Overview:

This Addressable Intelligent Multisensor with sounder is a networkable instrument that houses smoke and thermal sensors for monitoring the level of smoke & heat in its surveillance. Its unique feature is to provide the live temperature and smoke level to the control panel for real time monitoring purpose. Built-in sounder for warning and eliminates the need for externally connected sounder.

Specification

Electrical Specifications

Operating voltage	17-27V DC
Quiescent current	200uA
Alarm current	20mA

Indications

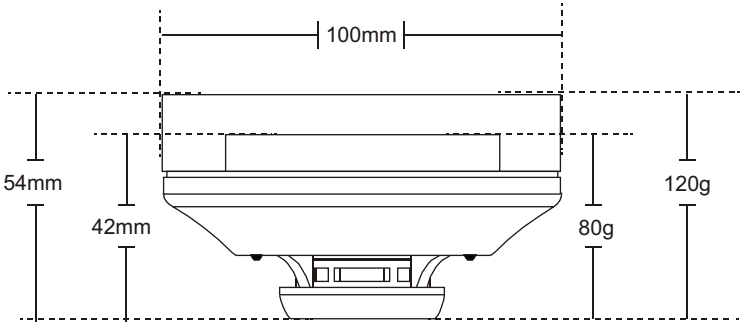
Normal	Green LED (Blinks during scan)
Alarm	Red LED (Glows steady)

General Specifications

Smoke sensitivity	0.5 - 3.5 %obs/foot
Thermal sensitivity	57ºC
Sound level	80 dB at 1m
Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	White
Housing	Polycarbonate
Compatibility	AU101X Protocol
Contact Clamp	Stainless steel

Mechanical Specifications

Dimensions(DiaxH)		**Weight**	
Without Base	100x42mm	**Without Base**	80g
With Base	100x54mm	**With Base**	120g



DATASHEET

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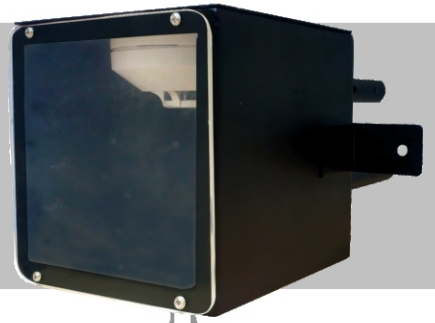
Addressable Intelligent Duct Smoke Detector

Model No - AU101DSD



- Soft addressing
- Contamination alarm
- Real time smoke info
- Remote test facility from the panel
- Remote sensitivity alteration from the panel
- Electrical supervision
- Insect-resistant screening
- Address can be changed from the panel
- Easy to maintain/service
- Dual bi-color LED indication for 360°viewing angle
- Transient voltage protection upto 2.4KV
- Corrosion protection

Overview:

This Addressable Intelligent Duct Smoke detector is a networkable instrument that houses smoke sensor for monitoring the level of smoke in the airstream of duct work sections of the HVAC air handling system. Its unique feature is to provide the live smoke level to the control panel for real time monitoring purpose.

Specification

Electrical Specifications

Operating voltage	17-27V DC
Quiescent current	200uA
Alarm current	1mA

Indications

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

Complied with:

UL 268-6th Edition
EN 54-Part 7
IS 11360

General Specifications

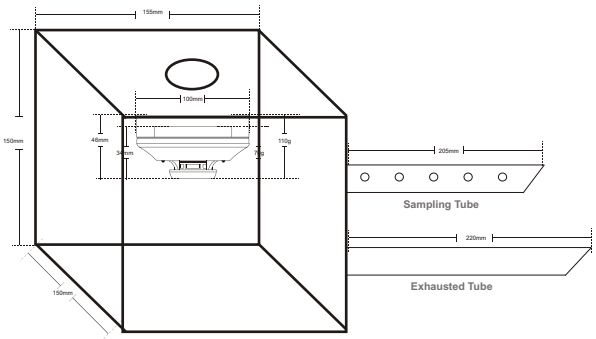
Smoke sensitivity	0.5 - 3.5 %obs/foot
Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	White
Compatibility	AU101X Protocol
Detector Contact Clamp	Stainless steel
Housing Material	16 Gauge Cold Rolled sheet
Detector Housing	Polycarbonate
Back Box	Black Matte
Front Cover	Acrylic sheet

Mechanical Specifications

Dimensions(LxBxD)	155x150x150mm
Sampling Tube	205mm
Exhausted Tube	220mm

Weight

Without Detector 1710g **With Detector** 1820g



DATASHEET

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Analogue
Linear Heat Sensing Cable
Model No - AA LHSC 700-001

Overview:

The analogue linear heat sensing cable (LHSC) is designed to provide early detection of fire and overheating in circumstances.LHSC Analogue is a coaxial cable constructed with a copper coated steel central conductor, an inner insulation (dielectric), a tinned copper braid layer and an overall protective sheath. It has a negative temperature coefficient (NTC). Analogue cable is employed in conjunction with an end of line terminating device and a zone monitoring unit or control panel with an appropriate LHSC interface unit.

- Easy to install
- Adjustable alarm set point
- Zones of up to 500m in length
- Mechanical and chemical protection available
- Can detect hot spot
- Recoverable and resettable operation

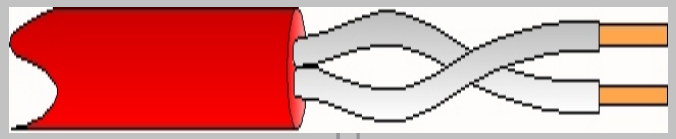
Specification

Outer Sheath	Red PVC-standard
Outer Diameter	Red PVC-2.8-3.0mm
Minimum operating Temperature	-20ºC
Minimum installation Temperature	0ºC
Weight 1km on the reel	Red PVC-19kg
Tensile strength	200Newtons

All technical features and data are subject to changes without notice, resulting from continuous development and improvement

Digital
Linear Heat Sensing Cable

Model No - AD LHSC 700-070



Easy to install

Early detection of hazards at temperature well below flame point

Mechanical and chemical protection available

Can detect hot spot

Fixed alarm trigger temperature

Overview:

This LHSC Digital cable comprises of a twisted pair twin core cable. Each core is of tinned copper coated spring steel and has a special heat reactive polymer insulation. The cable has an overall protective jacket / sheath.It is specially formulated such that it plasticizes at a specific temperature.

LHDC Digital cable may be used as a simple switch to operate a relay etc. However in most installations the minimum requirement is that the LHDC circuit is monitored for disconnections by means of EOL device and an appropriate fire alarm channel or address loop interface unit.

Specification

Number of cores	2
Outer Sheath	Black Nylon-Chemical protection
Outer Diameter	
Nylon	4.0mm +/- 0.3mm
Nylon & stainless steel armour	4.0mm +/- 0.3mm
Minimum operating Temperature	-40ºC
Minimum installation Temperature	-10ºC
Weight 1km on the reel-standared	21kg
Weight 500m on the reel-armoured cable	34kg
Tensile strength	200Newtons
Alarm Temperature	70ºC
Maximum Ambient Temperature	45ºC

DATASHEET

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Addressable Intelligent Gas Leak Detector

Model No - AA103LPG

Soft addressing

Built-in sounder

LED indicators for mains and alarm

Easy to install and elegant design

Overview:

This Addressable Gas Leak Detector is designed to detect and alert the leak of flammable gases. These detectors employ a built-in sounder for warning the occupants. The alarming detector with a unique ID communicates to the control panel to alert the exact location of emergency. This aesthetically designed unit accentuates and upgrades safety standards of home by preventing accidents due to leakage of LPG.

Specification

Electrical Specifications

Power supply	24V DC
Power consumption	1 W
Sensitivity	Butane LEL:1.8vd%/HEL(UEL):8.4vd% Propane LEL:2.1vd%/HEL(UEL):8.4vd% Methane LEL:5.0vd%/HEL(UEL):15vd%
Detection distance	LPG-30cm above the ground on the wall Coal gas, Natural gas-30cm below ceiling

Indications

Warmup mode	Flashing Green LED
Standby mode	Blinking Green LED(During Scan)
Alarm mode	Red LED(Glows Steady)
Output	Relay Contact NO/NC

General Specifications

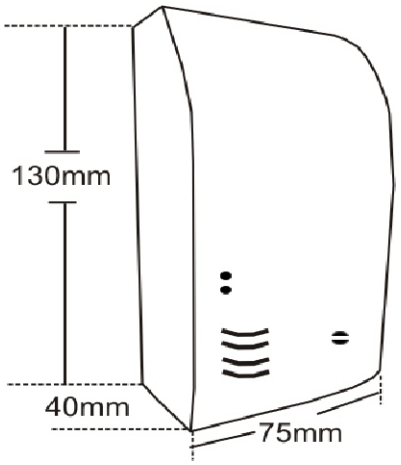
Sound level	80 dB at 1m
Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	White
Housing	Polycarbonate

Complied with:

UL 2075

Mechanical Specifications

Dimensions(HxWxD)	130x75X40mm
Weight	220g



DATASHEET

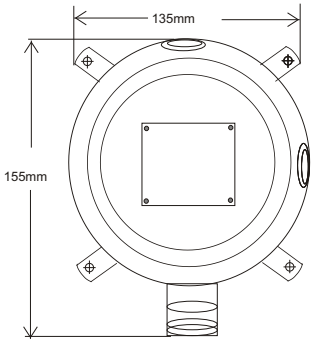
Airlight
THINKING AHEAD

Addressable Intelligent Flame Proof Gas Leak Detector

Model No - AA103FLPG

Overview:

This Addressable Flame Proof Gas Leak Detector is designed to detect and alert the leak of flammable gases. The alarming detector with a unique ID communicates to the control panel to alert the exact location of emergency. This device mainly designed for gas bank at hotel, residential complex, Hotel kitchen, industries etc.,



Specification

Electrical Specifications

Power supply	17-27V DC
Power consumption	1W
Sensitivity	Butane LEL:1.8 vd% / HEL(UEL):8.4 vd% Propane LEL:2.1 vd% / HEL(UEL):9.5 vd% Methane LEL:5.0 vd% / HEL(UEL):15 vd%
Detection distance	LPG - 30cm above the ground on the wall Coal gas, Natural gas - 30cm below ceiling

General Specifications

Operating temperature	0ºC to 49ºC
Storage temperature	5°C to 40°C
Humidity	0-95% RH (Non-condensing)
Wiring	2 Core
Compatibility	AU101X Protocol
Type of protection	Flameproof-Fp
Area classification	Safe area
Apparatus standard	IS-13947/93
Colour	Red

Mechanical Specifications

Dimensions(HxWxD)	155x135x75mm
Weight	3kg(Approx.)
Material	Aluminium Lm6
IP Protection	IP 65
Finish	Anti corrosive epoxy Powder coated
Cable Entry	2 x 3/4" ET
Gasket	Neoprene
Hardware	Stainless Steel(SS-304)

Complied with:

UL2075

DATASHEET

Addressable Manual Call Point

Model No - AA104CP

Overview:

This Addressable Manual Call Point is designed for instant manual actuation of fire alarm system. Advantage of this unit is, it has the large size dimension, clear visibility with the dual LED indication. Strong polycarbonate, clear flip cover is used to avoid the false intervention. No need of the manual reset. It goes with the elite interior.

- Soft addressing
- Blinking LED for visual supervision
- Flip cover to minimize false intervention
- Electrical Supervision
- Transient Protection upto 2.4KV
- Remote test facility from the panel
- No manual reset is required at MCP
- Easy to install and elegant design
- Address can be changed from panel

Specification

Electrical Specifications

Operating voltage	17-27V DC
Quiescent current	600 µA
Alarm current	3mA

Indications

Normal	Green LED (Blinks during scan)
Alarm	Red LED (Flashes)

General Specifications

Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	Red
Compatibility	AU101X Protocol
Housing	ABS

Complied with:

UL 38

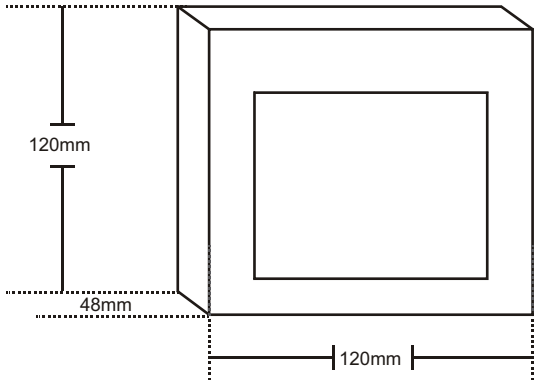
EN 54-Part 11

Mechanical Specifications

Dimensions(HXWXD) 120x120x48mm

Weight

Without Backbox	108g
With Backbox	378g



DATASHEET

Airlight
THINKING AHEAD

Addressable Intelligent Weather Proof Manual Call Point

Model No - AA103WCP

- Soft addressing
- Electrical Supervision
- Transient Protection upto 2.4KV
- Weather-proof enclosure
- Remote test facility from the panel
- Corrosion protection
- Easy to install and elegant design
- Address can be changed from panel

Overview:

This addressable Weather Proof Manual Call Point is designed for instant manual actuation of fire alarm system. It trigger manual fire signal, by breaking the glass. Weather Proof Manual Call Point is designed to withstand outdoor and this device is provided with Hammer and Chain.

Specification

Electrical Specifications

Operating voltage	17-27V DC
Quiescent current	200 µA
Alarm current	400 µA

General Specifications

Operating temperature	0ºC to 49ºC
Humidity	0-95% RH (Non-condensing)
Wiring	2 Core
Compatibility	AU101X Protocol

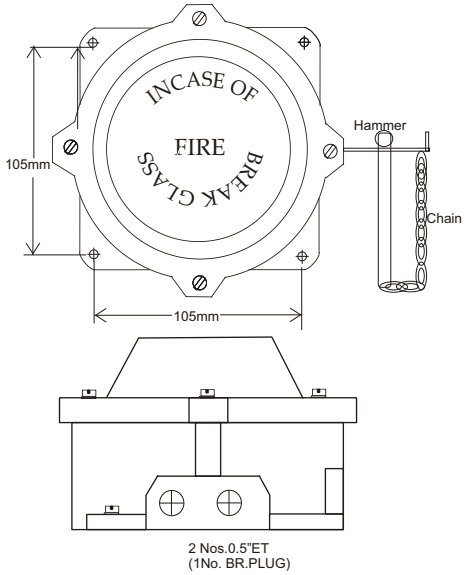
Complied with:

UL 2075

Type of protection	Weatherproof-Wp
Area classification	Safe area
Apparatus standard	IS-13947/93

Mechanical Specifications

Material	Aluminium Lm6
Weight	1.5kg(Approx.)
IP Protection	IP 65
Finish	Anti corrosive epoxy powder coated
Cable Entry	2 x 3/4" ET
Gasket	Neoprene
Hardware	Stainless Steel(SS-304)



DATASHEET

Airlight
THINKING AHEAD

Addressable Intelligent Flame Proof Manual Call Point

Model No - AA103FCP

- Soft addressing
- Electrical Supervision
- Transient Protection upto 2.4KV
- Flame-proof enclosure
- Remote test facility from the panel
- Corrosion protection
- Easy to install and elegant design
- Address can be changed from panel

Overview:

This addressable Flame Proof Manual Call Point is designed for instant manual actuation of fire alarm system. It trigger manual fire signal, by breaking the glass. Flame Proof Manual Call Point is specially designed for outdoor, where flammable gas involved and this device is provided with Hammer and Chain.

Specification

Electrical Specifications

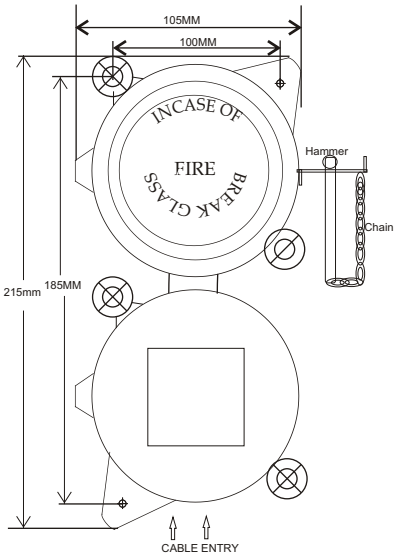
Operating voltage	17-27V DC
Quiescent current	200 µA
Alarm current	400 µA

General Specifications

Compatibility	AU101X Protocol
Type of protection	Flameproof-Exd
Apparatus standard	IS-2148/81

Mechanical Specifications

Dimensions(HXW)	215X105mm
Material	Aluminium Lm6
Weight	3kg(Approx.)
IP Protection	IP 65
Finish	Anti corrosive epoxy powder coated
Cable Entry	2 x 3/4" ET
Gasket	Neoprene
Hardware	Stainless Steel(SS-304)



DATASHEET

Airlight
THINKING AHEAD

Addressable Sounder Beacon

Model No - AA104SBS

Voice/music broadcasting
ON/OFF control from panel
Electrical supervision
Soft addressing
Bright flashing LED
5 level digital volume control from panel
ID can be changed from panel
Transient Protection upto 2.4KV

Overview:

This unit is designed to use for voice notification and visual(LED Flash) notification. It consists of Addressable digital speaker to play voice broadcast called from the control panel. During emergency, the control panel automatically activates the relevant speaker and allows to play pre-recorded voice notification. The unique ID allows the user to select a particular speaker or group of speakers or all speakers to ON/OFF and volume control according to the need.

This unit can also be used for announcement purpose/play music etc.

Specification

Electrical Specifications

Operating voltage	24V DC
Quiescent current	20mA
Alarm Tone current	400mA(max)
Alarm Voice current	300mA(max)
Sound level	90 dB at 10 feet

Indications

Normal Indicator	Green LED (Glows during PA enable)
Alarm Indicator	White LED (Flashes)

General Specifications

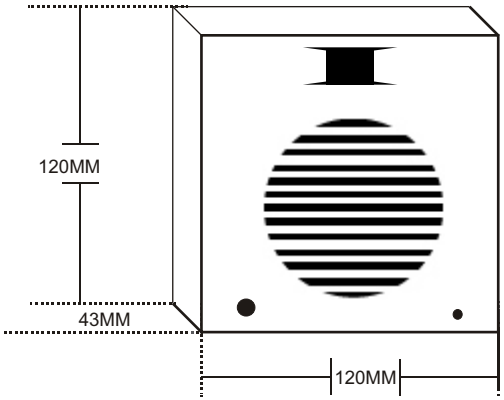
Operating temperature	0ºC to049ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	Red
Compatibility	ALPA2XV1 Protocol
Housing	ABS

Mechanical Specifications

Dimensions(HxWxD) 120x120x43mm

Weight

Without Backbox 178g With Backbox 242g



DATASHEET

Airlight
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Addressable
Loop Powered Sounder Beacon

Model No - AA104SB

Overview:

This unit is designed to use as an alarm device for fire emergency by audio(beep) and visual(LED Flash) communication. The unique ID allows the user to configure and activate an alarm which is limited to relevant sounder or a group of sounders. This configuration helps the user to keep the other areas of the building undisturbed during emergency.

No exclusive wiring will be required to connect this sounder in the fire alarm network that comprises detectors, call points etc.

- No exclusive wiring required
- Electrical supervision
- Multiple zone assignment
- Bright flashing LED
- Soft addressing
- Transient Protection upto 2.4KV
- ID can be changed from panel

Specification

Electrical Specifications

Operating voltage	17-27V DC
Quiescent current	1mA
Sound level	90 dB at 10 feet
Alarm current	30mA

Indications

Alarm	White LED (Flashes)
Sound type	Buzzing tone

General Specifications

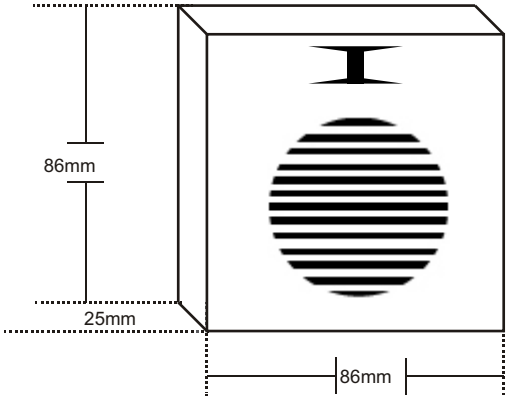
Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	Available in White/Red color.
Compatibility	AU101X Protocol
Housing	Polycarbonate

Mechanical Specifications

Dimensions(HxWxD) 86mmx86mmx25mm

Weight

Without Backbox 38g With Backbox 62g



DATASHEET

Airlight
THINKING AHEAD

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

DATASHEET

Airlight
THINKING AHEAD

Addressable Android Fire Alarm Control Panel With Voice Alarm-3 Loop

Model No - AN103FACP

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

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	3

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

DATASHEET

Airlight
THINKING AHEAD

Addressable Android Fire Alarm Control Panel With Voice Alarm-5 Loop

Model No - AN105FACP

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

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	5

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

DATASHEET

Airlight
THINKING AHEAD

Networkable Addressable Android Fire Alarm Control Panel -1 Loop

Model No - AN101NFACP

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
- Networkable panel

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

DATASHEET

Airlight
THINKING AHEAD

Networkable Addressable Android Fire Alarm Control Panel -3 Loop

Model No - AN103NFACP

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
- Networkable panel

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	3

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

DATASHEET

Networkable Addressable Android Fire Alarm Control Panel -5 Loop

Model No - AN105NFACP

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
- Networkable panel

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	5

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

DATASHEET

Addressable Android Fire Alarm Repeater Panel With Voice Alarm

Model No - AN101RP

Overview:

This repeater panel repeats all the fault and fire messages of that of the main control panel and provide all the necessary information available at the control panel to the advantage of the end-user at a remote location. Repeater panel has a interactive display with touch screen control.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
- Networkable panel
- 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

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	330mA (max)
Operating Temperature	0° C to 49° C
Humidity	0-95% RH (Non-condensing)

Fuses

Supply Fuse	3 A Resettable fuse
Battery Fuse	3 A Resettable fuse

Finish

Enclosure Dimensions (HxWxD)	460x390X130 mm
Housing Material	16 Gauge Cold Rolled sheet
Back Box	Black Matte
Front Door	Texture Red
Display Resolution	800X480 Pixels
Display Size	7”
Compatibility	AU101X/ AUAA2X / ALPA2XV1 / ALAW2XV1 Protocol

Complied with:

UL 864-9th Edition

DATASHEET

Airlight
THINKING AHEAD

Addressable Intelligent Single Input Module

Model No - AU101SIM

Soft addressing

Blinking LED for Visual Supervision

Electrical Supervision

Powered by signaling line circuit

Address can be viewed and changed from the panel

Transient Protection upto 2.4KV

Overview:

This Addressable Intelligent Single input module is designed to meet the supervisory requirements of fire protection systems. This device utilizes monitoring circuits to examine the contact status of the connected water flow switch/pressure switch, building automation and for security applications.

Specification

Electrical Specifications

Operating voltage	17-24V DC
Quiescent current	600 µA(max)
Alarm current	1 mA(max)
End of Line Resistance	47K Ohms
Maximum IDC Resistance	100 Ohms
Maximum IDC Current	600 µA

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/Red(RAL9016)
Compatibility	AU101X Protocol
Housing	Sheet metal Powder coated

Complied with:

UL 864

EN 54-Part 18

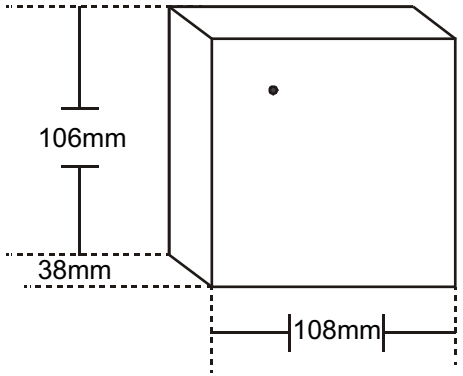
Mechanical Specifications

Dimensions(HxWxD) 106x108x38mm

Weight

Without Backbox 144g

With Backbox 372g



DATASHEET

Airlight
THINKING AHEAD

Addressable Intelligent Single Output Module

Model No - AU101SOM

Soft addressing

Blinking LED for visual supervision

Electrical Supervision

Powered by signaling line circuit

Address can be viewed and changed from the panel

Transient Protection upto 2.4KV

Overview:

This Addressable single output module is an device that utilizes form C dry contact relay circuit for controlling external appliances on the detection of fire emergency by the devices in the network. The output responses of detection system can be configured to this unit.

Specification

Electrical Specifications

Operating voltage	17-24V DC
Quiescent current	600 µA(max)
Alarm current	18mA(max)
Relay Contact Rating	2A @ 24V DC

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/Red(RAL9016)
Compatibility	AU101X Protocol
Housing	Sheet metal Powder coated

Complied with:

UL 864

EN 54-Part 18

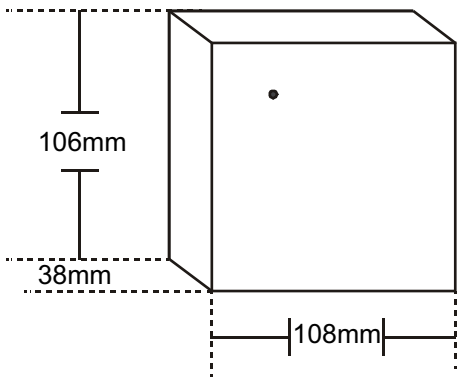
Mechanical Specifications

Dimensions(HxWxD) 106x108x38mm

Weight

Without Backbox 144g

With Backbox 372g



DATASHEET

Airlight
THINKING AHEAD

Addressable Intelligent Single Input Output Module

Model No - AU101SIOM

- Soft addressing
- Blinking LED for Visual Supervision
- Electrical Supervision
- Monitors device with normally open dry contacts
- Powered by signaling line circuit
- Transient Protection upto 2.4KV
- Address can be viewed and changed from the panel

Overview:

This Addressable Intelligent Single input/output module is designed to meet the supervisory requirements of fire protection systems. This device utilizes monitoring circuits to examine the contact status of the connected water flow switch/pressure switch, building automation and for security applications and control circuit use a form C dry contact relay circuit for controlling external appliances on the detection of fire emergency by the devices in the network. The output responses of detection system can be configured to this unit

Specification

Electrical Specifications

Operating voltage	17-24V DC
Quiescent current	600 µA(max)
Alarm current	18mA(max)
End of Line Resistance	47K Ohms
Maximum IDC Resistance	100 Ohms
Maximum IDC Current	600 µA
Relay Contact Rating	2A @ 24V DC

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/Red(RAL9016)
Compatibility	AU101X Protocol
Housing	Sheet metal Powder coated

Complied with:

UL 864

EN 54-Part 18

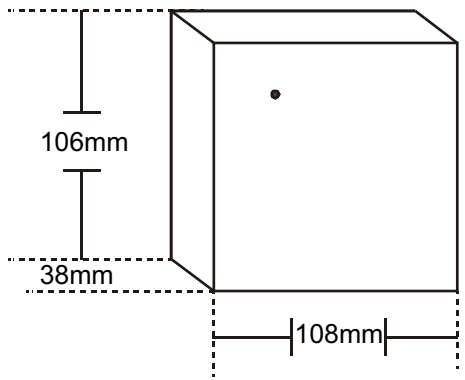
Mechanical Specifications

Dimensions(HxWxD) 106x108x38mm

Weight

Without Backbox 144g

With Backbox 372g



DATASHEET

Addressable Analogue LHS Cable Interface Unit

Model No - AA101LHSI

Overview:

This Addressable Intelligent analogue LHS(Linear Heat Sensing) cable Interface unit is powered by signaling line circuit. Analogue type LHS cable resistivity changes in proportion to temperature exists in its spectrum, in case of Abnormal high temperature it will assume as fire and goes to alarm state. This unit also monitors breakage of wire using end of line device.

- Soft addressing
- Electrical Supervision
- Blinking LED for Visual Supervision
- Fault monitoring of LSHC for open and short circuit conditions
- Powered by signaling line circuit
- Address can be viewed and changed from the panel
- Transient Protection upto 2.4KV

Specification

Electrical Specifications

Operating voltage	17-24V DC
Quiescent current	600 µA
Alarm current	1 mA(max)
Maximum IDC Resistance	100 Ohms
Maximum IDC Current	600 µA

Indications

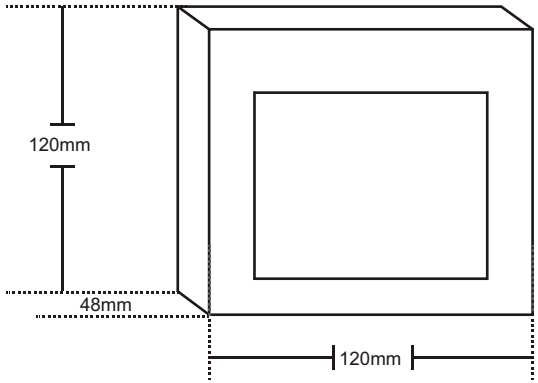
Normal	Green LED (Blinks during scan)
Alarm	Red LED (Glows steady)

General Specifications

Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	Red
Housing	Top plastic, Bottom-Mild steel
Compatibility	AU101X Protocol

Mechanical Specifications

Dimensions(HXWXD)	120x120x48mm
Weight	
Without Backbox	108g
With Backbox	378g

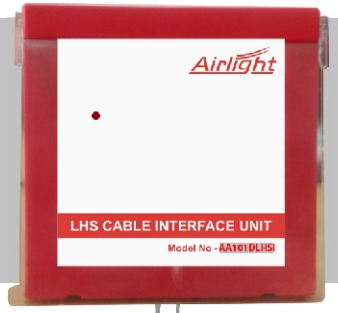


DATASHEET

Airlight
THINKING AHEAD

Addressable Digital LHS Cable Interface Unit

Model No - AA101DLHSI



Overview:

This Addressable Intelligent Digital LHS (Linear Heat Sensing) cable Interface unit is powered by signaling line circuit. LHS cable mainly used in cable duct and in oil pipe lines. Result of fire makes the cable short circuit at the spot of fire. This unit helps to identify spot of fire based on the length of the cable from this unit to fire spot. This unit also monitors breakage of wire using end of line device.

- Soft addressing
- Electrical Supervision
- Blinking LED for Visual Supervision
- Fault monitoring of LHSC for open circuit conditions
- Powered by signaling line circuit
- Address can be viewed and changed from the panel
- Transient Protection upto 2.4KV

Specification

Electrical Specifications

Operating voltage	17-24V DC
Quiescent current	600 µA
Alarm current	1 mA(max)

Indications

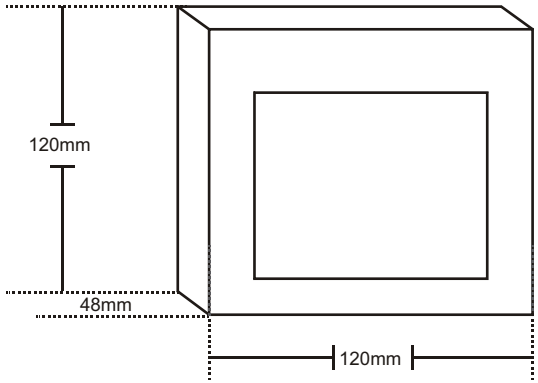
Normal	Green LED (Blinks during scan)
Alarm	Red LED (Glows steady)

General Specifications

Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	Red
Housing	Top-plastic, Bottom-Mild Steel
Compatibility	AU101X Protocol

Mechanical Specifications

Dimensions(HXWXD)	120x120x48mm
Weight	
Without Backbox	108g
With Backbox	378g



DATASHEET

Airlight
THINKING AHEAD

Addressable Intelligent Short Circuit Isolator

Model No - AA104SCI

Loop powered

Electrical Supervision

Transient Protection upto 2.4KV

Auto reset on short circuit correction

Extreme environmental protection

Corrosion protection

Overview:

This Short circuit isolator is designed to prevent the damage to the devices caused during the event of short circuit at sensor signal wire. At the time of short circuit, isolator will disconnect the supply to the devices that are put in connection after the isolator module in the loop. Short circuit isolator modules are placed between groups of sensors to protect the devices against short circuit in the fire alarm signal line circuit/cable.

Specification

Electrical Specifications

Operating voltage	17-27V DC
Quiescent current	1.6mA
Short Circuit leakage Current	3.6mA

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/Red
Compatibility	AU101X Protocol
Housing	22 Gauge Sheet metal Powder coated

Complied with:

UL 864

EN 54-Part 17

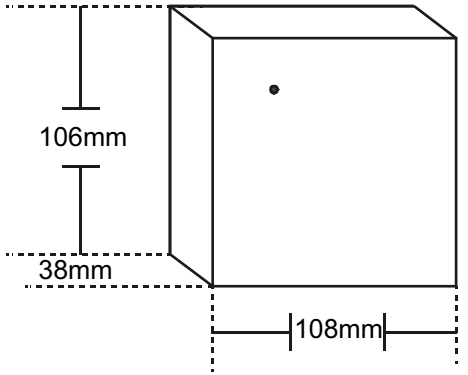
Mechanical Specifications

Dimensions(HxWXD) 106x108X38mm

Weight

Without Backbox 144g

With Backbox 372g



DATASHEET

Airlight
THINKING AHEAD

Addressable Intelligent Short Circuit Isolator

Model No - AA103SCI

Electrical Supervision

Transient Protection upto 2.4KV

Auto reset on short circuit correction

Loop powered

Overview:

This Short circuit isolator is designed to prevent the damage to the devices caused during the event of short circuit at sensor signal wire. At the time of short circuit, isolator will disconnect the supply to the devices that are put in connection after the isolator module in the loop. Short circuit isolator modules are placed between groups of sensors to protect the devices against short circuit in the fire alarm signal line circuit/cable.

Specification

Electrical Specifications

Operating voltage	17-27V DC
Quiescent current	1.6mA
Short Circuit leakage Current	3.6mA

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	AU101X Protocol
Housing	Polycarbonate
Terminals	Stainless steel

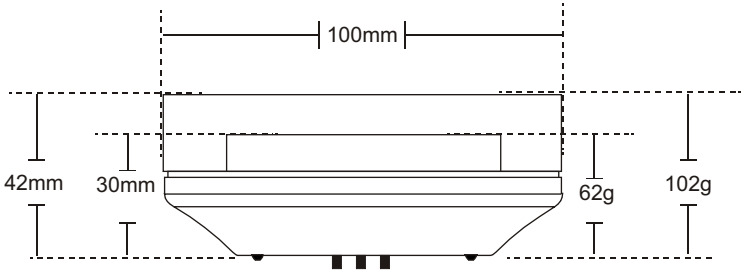
Complied with:

UL 864

EN 54-Part 17

Mechanical Specifications

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



DATASHEET

Airlight
THINKING AHEAD

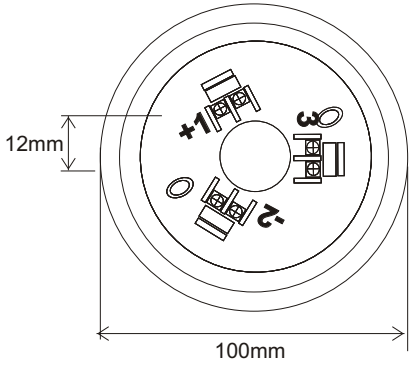
Wired 2 Clamp Base

Model No- AC2CBASE

Overview:

This unit is designed to fix various type wired sensor heads, which requires 2 main terminals. Round rail guided base facilitates the user to fix or remove the sensor for maintenance purpose. Polycarbonate strong base, SS clamp provides long life.

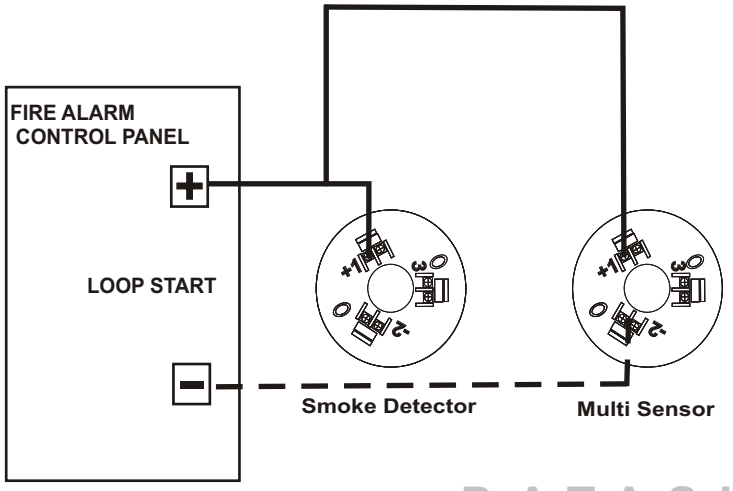
Dimensions



Specifications

Physical Specifications

Dimensions(Dia x D)	100 x 12 mm
Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	White
Housing	Polycarbonate
Clamp	2
Compatible Detectors	AU101SD,AA103HD,AU105MD, AA105MDS,AC103SD,AC103HD and AC103MD



DATASHEET

Airlight
THINKING AHEAD

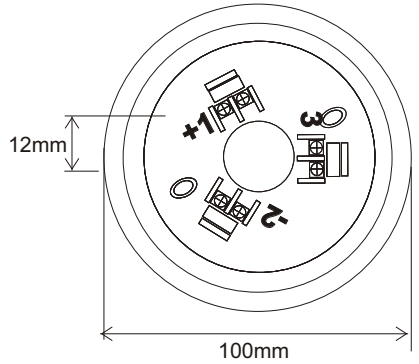
Wired 3 Clamp Base

Model No- AC3CBASE

Overview:

This unit is designed to fix various type wired sensor heads, which requires 3 main terminals. Round rail guided base facilitates the user to fix or remove the sensor for maintenance purpose. Polycarbonate strong base, SS clamp provides long life.

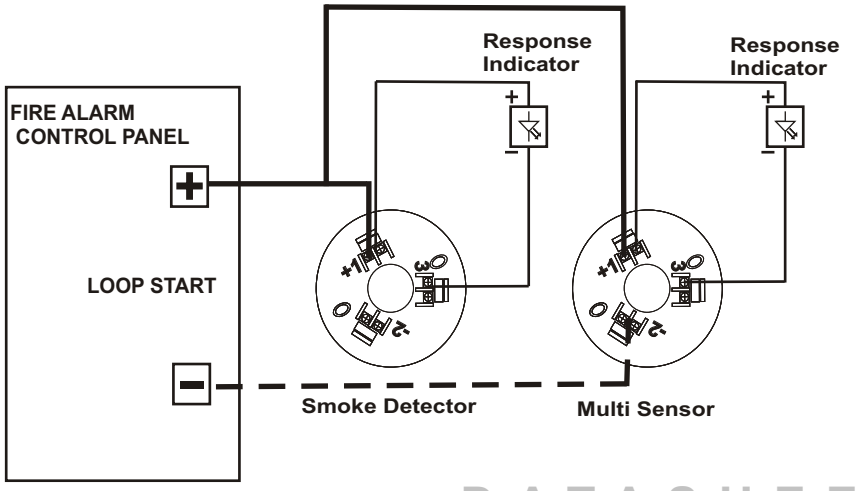
Dimensions



Specifications

Physical Specifications

Dimensions(Dia x D)	100 x 12 mm
Operating temperature	0ºC to 49ºC
Storage temperature	5ºC to 40ºC
Humidity	0-95% RH (Non-condensing)
Color	White
Housing	Polycarbonate
Clamp	3
Compatible Detectors	AA103SCI, AW103IM and AW103OM



DATASHEET