Airlight
THINKING AHEAD

Addressable
Talkback Speaker

Model - AD2S103

The AIrlight Addressable Talkback Speaker from Airlight is a unique device that serves dual functions. It acts as a PA speaker and also allows two-way communication with the control panel. It stands out from others with its exclusive two-wire technology.

Here is a breakdown of its key features:

1. Compliance: Designed to meet NBC 2016 part 4,Clause 4.9 C regulations for voice alarm and public address systems.

2. Addressable Capability: With the addressable feature, the targeted speaker can be selected and controlled from the control panel for paging purposes. It offers the flexibility to choose specific speakers for announcements or communi cation. For automated voice alarm for fire warning, the control panel includes a provision for targeted speaker activation. This allows for efficient and timely distribution of fire warning messages to specific areas.

3. Undisturbed Operation: When connected in parallel, only intended sounder beacon is activated for audio alarm. ensuring the rest remain undisturbed.

4. Flexible Activation: Supports both Zone call and all call activation options, allowing for system control customization.

5. Talkback Function: Equipped with a call button to trigger alerts to the control panel, enabling support staff to identify the caller's location and establish two-way communication.

6. Long Range Audio Pickup: Incorporates a Long Range Audio Sensor capable of detecting voices up to 6 feet away, facilitating clear communication even in crowded or challenging environments.

7. Loop-Powered Operation: Operates on a loop-powered, two-wire system, simplifying wiring and allowing for device monitoring, audio signaling, and power transmission through the same wires.

8. Simplified Wiring: Eliminates the need for separate cables, ensuring easy integration with call points and detectors wiring.

9. Device Integrity Monitoring: Includes device integrity health and connectivity fault monitoring, enhancing the system's reliability.
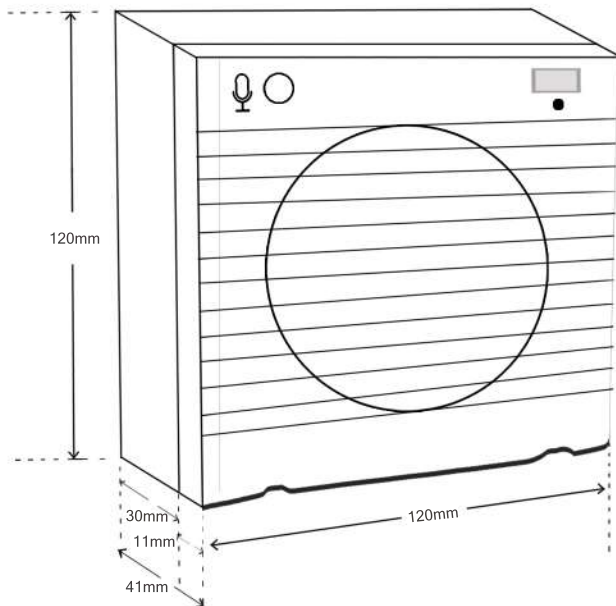
10. Addressable Control and Monitoring:

Enables targeted control and monitoring of individual devices, enhancing system management capabilities.

Other Airlight standard features includes soft addressing, electrical supervision and transient voltage protection 2.4KV

Talkback

General specifications

Operating temperature	-10ºC to 55ºC
Storage temperature	-10ºC to 60ºC
Sound output SPL@ (1KHz 1w/1m)	90db
Humidity0-95%	RH (Non-condensing)
Colour	Red
Housing	ABS

Indications

On fire alarm mode	Red LED Glow (steady) Flasher light flashes Speaker produces voice alarm
On PA mode/ ON Activation	Green LED turns into a steady glow, indicating that the speaker is ON condition. Speaker delivers voice generated from control panel mic or from panel audio file.
On talkback mode	On momentary press of talkback button Green LED glows steady speaker gets ON. Speaker deliver voice which is being spoken from control panel mic. When talkback button is press position mic will be in ON condition to talk.

Electrical specifications

Operating voltage	18-24V DC
Quiescent current	200 µA
watts	5w
Voice current	100mA(max)