

Sonix™ Mute Sa

PA/GA Hmi local loudspeaker,
mute unit



Overview

Sonix™ Mute Sa is a compact unit, housing the circuitry for Hmi local mute control of loudspeakers, for use in Safe Areas. In areas where Hmi units are located, local mutable loudspeakers need to be installed to remove acoustic feedback or Larsen effect.

Features

- Robust and reliable loudspeaker muting
- Remove the need for dedicated mute cables from PA/GA cabinet, with 50% saving on cable and installation
- Compact enclosure
- Rapid installation
- Simplifies acoustic design engineering
- Loudspeaker mute or attenuate feature
- Design focused MTBF/MTTR values
- Low maintenance

The Sonix™ Mute SA solution allows for the connection of the mutable loudspeaker control directly to the local Hmi panel. Whilst muting control is local, the audio is fed via the main amplifier loop. This efficient feature removes the need for extensive, exposed mutable speaker cables back to the main PA/GA cabinets, with up to 50% saving on purchase, installation and maintenance costs.

Sonix™ Mute SA ensures that all mute speakers are fully monitored as part of a main amplifiers loop and not on an unmonitored spur. The control and connection of local mutable loudspeakers is especially beneficial if relocating or adding Hmi units, as the cable installation is minimal, non-intrusive and quick to affix or move. This additional flexibility within the PA/GA system enhances the overall operation and maintenance of the system.

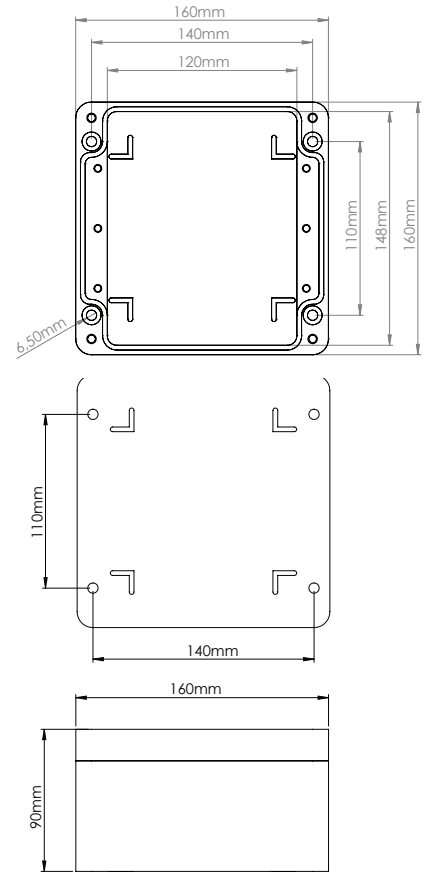
The Sonix™ Mute Sa unit automatically and silently mutes the local loudspeaker when the local Hmi unit is in use for live speech. Under normal operation, the local loudspeaker continues to broadcast all announcements and alarms from the PA/GA system. When in mute, the main loudspeaker loop bypasses the mute speaker to maintain loop integrity.

Connectivity of the Mute to the Hmi unit is simply achieved by means of a 1 pair cable from the local Hmi unit to the local loudspeaker mute unit.

Specifications

Mechanical/Environmental	
Fixing	5mm Ø mounting holes
Weight	1.5 kg
Dimensions (H x W x D mm)	160 x 160 x 90
Material	Glass reinforced polyester
Operating temp	Suitable for operation from: -25 °C to +85 °C
Service location	Non-Ex (safe area) location
Connectors	Polyamide screw terminals
Ingress protection rating	IP65
Electrical	
Relay voltage	12 Vdc
Max speaker wattage	50 W

General arrangement drawing (all dimensions in mm)



Ordering requirements

The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

