MSP-H Series
Horn Speaker

- Compact and light weight type
- 15W Output, 108dB Horn Speaker
- IP65 protection structure front speaker
- 4 colors: ivory / black / red / nickel plated type

RoHS 108dB IP65

Specifications

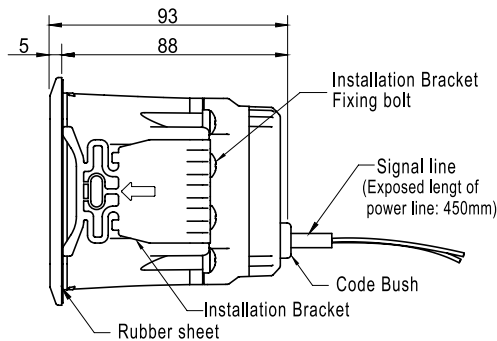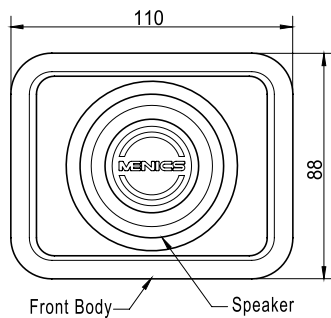| Maximum Rated Input	15W
Impulse	6 Ohm
Frequency band	1000~4000Hz
Maximum Volume	108dB (at. 1M)
Material	Body - ABS , Rubber - NBR
Ambient temperatur	-20 ~ 50°C
Storage temperature	-20 ~ 65°C
Vibration resistance	10~55Hz(Cycle: 1 minute) Multi-amplitude 0.75mm X,Y,Z - 1 hour in each direction
Protection rate	MSP-HP type: IP65(Front) , MSP-HB type: IP60
Applicable wiring specification	2464UL/22AWG , 2P , 450mm
Weight	App. 410g (MSP-HP Standard)

Ordering Information

MSP - H   P15   B
           ①   ②

① Mounting	P15	Panel Mounting
	B15	Bracket Mounting

② Body Colors	No mark	Ivory
	B	Black
	R	Red
	P	Nickel Coated

Dimensions

(Unit: mm)

MSP-HP Type

110
88
93
5
88

Installation Bracket Fixing bolt
Signal line (Exposed lengt of power line: 450mm)
Code Bush
Installation Bracket
Rubber sheet
Front Body
Speaker

▼ How to install panel

1. Remove the installation bracket and bolts with a screwdriver from the product.
2. Insert the speaker in the direction of ① on the panel.
3. Mount the installation bracket to the direction of ② and fix with fixing bolt to prevent from shaking.
   (Bolt tightening torque: 0.7 ~ 0.8N.m)

Installation Bracket Fixing bolt (Steel, 4x16, 4pieces)
mounting panel
Installation Bracket (POM resin)

▼ Panel cutout dimensions

4-R10
77
97

⚠ Applicable panel thickness: at least less than 1.0t up to 3.0t
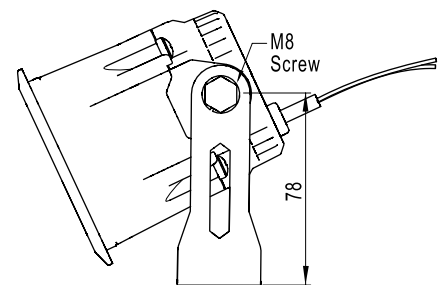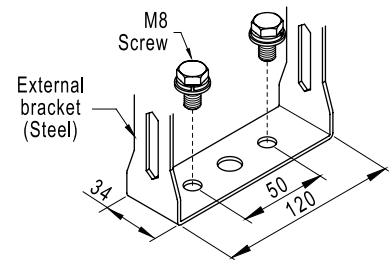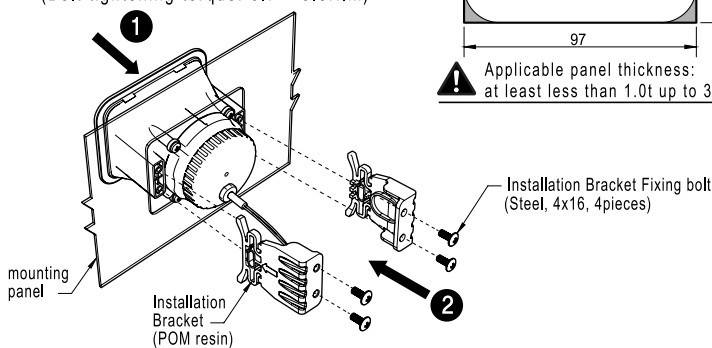
MSP-HB Type

MSP-HB type is product to fix speakers on the equipment or on the wall of a building other than a panel.
Speaker angle can be adjusted up and down after fixing.

M8 Screw
External bracket (Steel)
34
50
120

M8 Screw
78