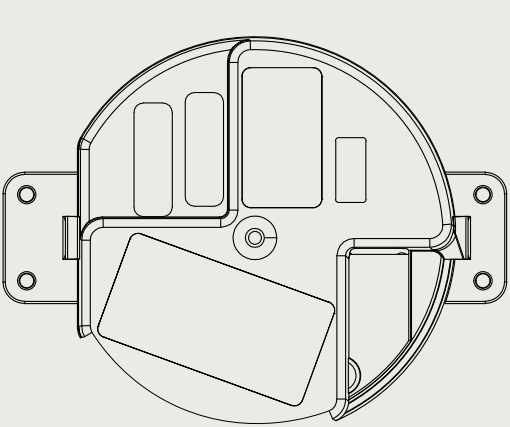
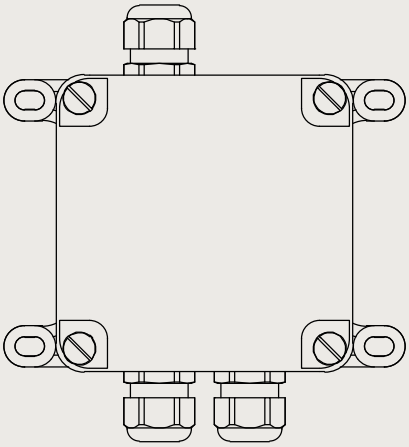
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ZIPS-K Indoor IP Speaker Kit
ZIPS-KOE Outdoor IP Speaker Kit

Mounting & Installation Manual

A100K12377
v1.3

EN

zenitel.com

About

This document serves as a mounting and installation guide for ZIPS-K Indoor IP Speaker Kit and ZIPS-KOE Outdoor IP Speaker Kit.

For more information and instructions on configuration of the ZIPS-K and ZIPS-KOE go to wiki.zenitel.com.

Item Number	Item Name	Description
1016324	ZIPS-K	Indoor IP Speaker Kit
1016325	ZIPS-KOE	Outdoor IP Speaker Kit

Safety Instructions

This manual contains important information for the correct mounting and installation of this product. Read the instructions carefully before starting the installation.

Installation must be carried out by qualified personnel familiar with low-voltage electrical systems, ethernet/PoE equipment, audio systems, communication devices and applicable local regulations.

This symbol indicates instructions that must be followed to ensure correct installation and proper operation of the product.

Handle the products only as described in this manual. Do not install damaged equipment or damaged cables.

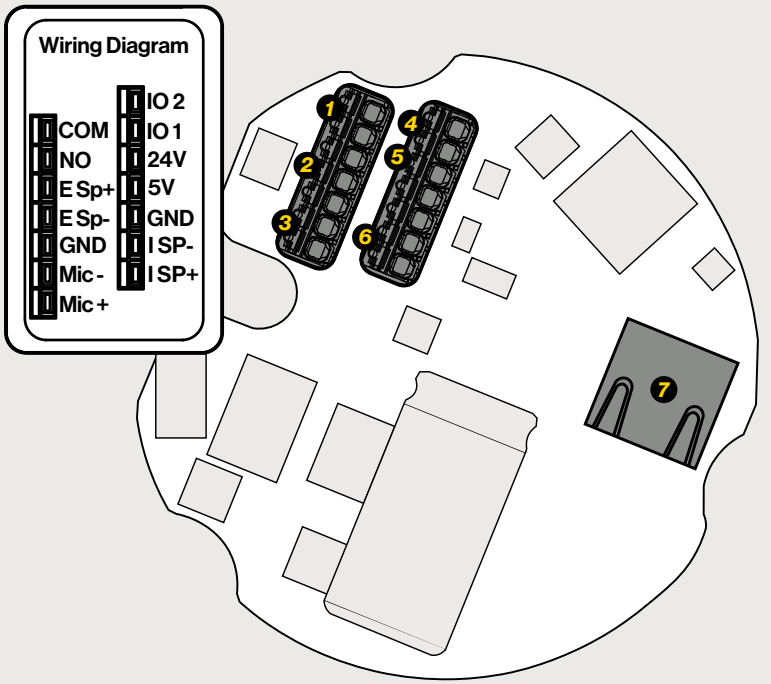
The integrator is responsible for ensuring that the final assembly provides adequate mechanical protection, electrical safety, environmental protection, and service access.

After installation, test the speaker system to verify correct operation, including communication, audio quality, and any configured functions.

Zenitel accepts no responsibility for damage caused by improper or inadequate installation.

Description

ZIPS-K & ZIPS-KOE Circuit Board



Item	Description	Comment
1	Relay	COM+NO, 48 V nominal, max: 100 VDC, 70 VAC
2	External Speaker	Connection for 8 ohm loudspeaker.
3	Microphone	Electret mic input
4	I/O interface	2 general purpose I/Os. Each I/O can be configured either as an input or 12 mA LED driver output.
5	Auxiliary output	24 VDC output for external beacon control
6	Internal Speaker	Connection for 8 ohm loudspeaker.
7	LAN Port	10/100/1000Mbps RJ-45 port connecting to Ethernet. PoE is supported.

Mounting considerations

The **ZIPS-K** and **ZIPS-KOE** are intended for integration into a suitable enclosure, panel or emergency point assembly.

The speaker kits shall be mounted on a flat, stable and vibration-resistant surface.

Speaker openings, microphone openings, status indicators and service interfaces shall not be blocked by the enclosure, gaskets, adhesives, membranes or cables.

When both speaker and microphone are used, provide sufficient acoustic separation between them. Avoid mounting the microphone directly in front of, behind or in the same open cavity as the speaker. Poor acoustic separation may cause echo, feedback or reduced speech intelligibility.

Route microphone cables away from speaker cables, relay wiring and other noise-generating cables. Use shielded cable where required by the installation environment.

Outdoor mounting considerations



The IP66 rating is only valid when ZIPS-KOE is installed according to this manual, using the specified gaskets, cable glands, and seals.

Before closing the enclosure, ensure that all gaskets are correctly seated and that sealing surfaces are clean.

Unused cable entries shall be sealed with suitable plugs. The outer cable sheath shall pass through the cable gland to maintain sealing and strain relief.

Install **ZIPS-KOE** so that water can drain away from the enclosure, speaker opening, microphone opening and cable entries. Cables entering from above shall include a drip loop.

For outdoor cable runs, exposed installations or cables routed between buildings, appropriate surge protection and grounding measures shall be used in accordance with local regulations.

In public or unsupervised areas, the final assembly shall provide suitable protection against impact, tampering and unauthorised access to cables, terminals and electronic components.

Installation

Verify that the installation environment meets the product specifications.

Prior to commencing the installation procedure, deactivate the power supply to both the intercom system and its associated devices. This precautionary measure ensures optimal safety throughout the installation process.



Ensure that all cables are properly routed and secured to prevent tripping hazards or damage. Avoid placing cables near heat sources, sharp edges, or areas where they might be pinched or crushed.

The **ZIPS-K** and **ZIPS-KOE** must be powered by PoE. This is done by connecting an Ethernet cable to the **LAN port** of the kit and a PoE switch.



To comply with EMC regulations, the ZIPS-K and ZIPS-KOE must be installed with a Snap On Ferrite and shielded Ethernet cable with grounding at the switch end.



Combined output power from internal/external speaker and 24VDC beacon driver cannot exceed continuous/peak 7,5W/30W

Speaker installation

Observe the required speaker impedance and maximum power rating.



Do not connect a speaker with lower impedance than specified.

The speaker opening or grille shall allow sound to pass without obstruction. Do not block the speaker path with cables, gaskets, adhesive, membrane material or enclosure parts.

Microphone installation

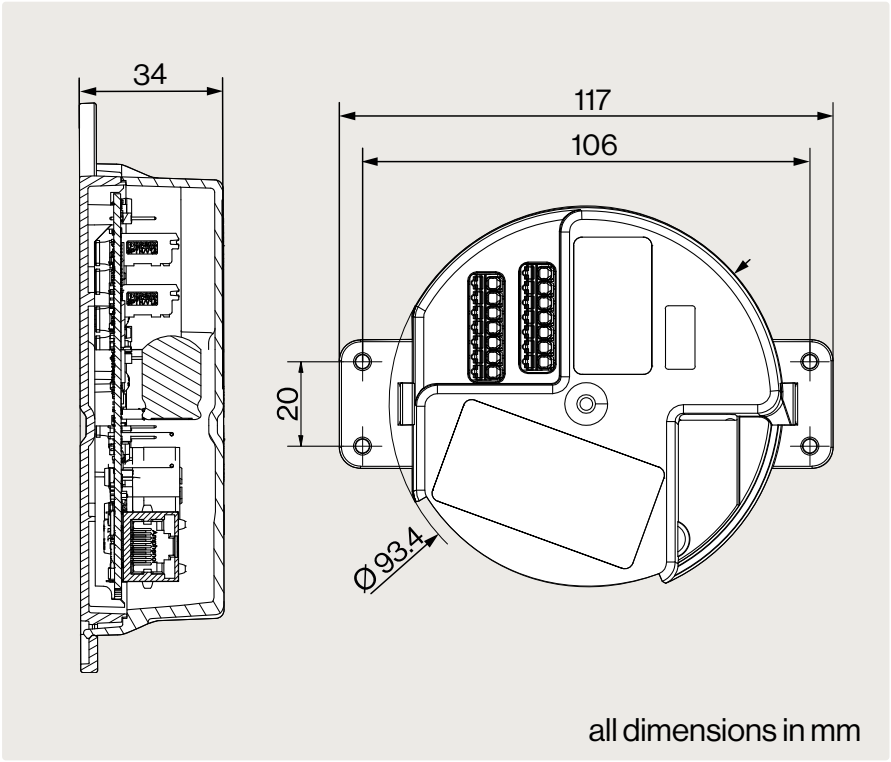


Do not cover the microphone opening with paint, adhesive, sealant, gasket material, and dust filter not approved for acoustic use.

For outdoor installations, protect the microphone opening from direct rain, water spray and wind noise where possible.

Mounting

ZIPS-K



all dimensions in mm

- Have the necessary cables ready before starting the mounting procedure.
- Place the kit on a flat and stable mounting surface.

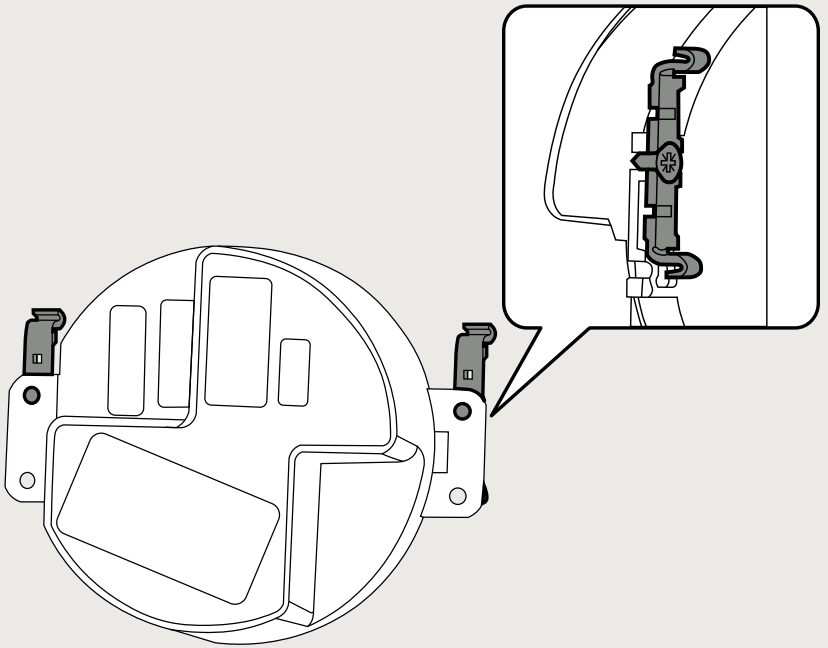
Make sure the kit is placed in an enclosure with ventilation and protection against accidental contact with electronics and terminals.

Use appropriate mounting screws for the mounting surface. **ZIPS-K** supports screws up to Ø3 mm.

- Ensure that the selected fasteners and anchors provide sufficient holding strength for the installation.
- Plug the Ethernet cable into **LAN port** on the station, and terminate all other wires according to the planned system setup

The included Snap On Ferrite must be attached to the Ethernet cable.

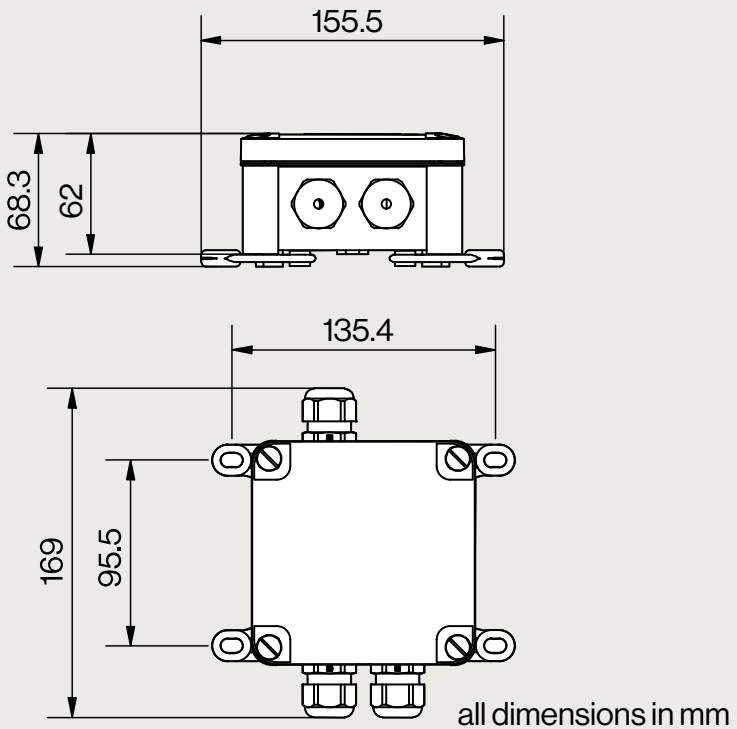
DIN rail mounting



The ZIPS-K can be mounted on a DIN rail. The DIN rail must be mounted securely to the equipment rack, and properly stabilised.

- Attach the mounting clips to the top screw hole on each side flange using the screws provided.
- Then press the ZIPS-K against the DIN rail of the rack until the mounting clips snap into place.

ZIPS-KOE



all dimensions in mm

- Have the necessary cables ready before starting the mounting procedure.
- Place the kit on a flat and stable mounting surface.

Avoid locations with direct high-pressure washing/water exposure, excessive vibration, corrosive atmosphere, and direct sunlight.

Use appropriate mounting screws for the mounting surface. **ZIPS-KOE** supports screws up to Ø4 mm.

- Ensure that the selected fasteners and anchors provide sufficient holding strength for the installation.
- Plug the Ethernet cable into **LAN port** on the station, and terminate all other wires according to the planned system setup

The included Snap On Ferrite must be attached to the Ethernet cable near the LAN port inside the box.

Configuration

When the **ZIPS-K** and **ZIPZ-KOE** is connected to the network, its IP address is automatically obtained from a DHCP server or an IP adress in the range 169.254.xx will be assigned.

The ZIPS-K and ZIPZ-KOE is capable of operating in various modes, including **IC-EDGE** and **SIP**. To register with **Zenitel Connect Pro** or **Essentials** the ZIPS-K and ZIPS-KOE must be in factory default mode. Setup and configuration will be managed through Zenitel Connect. Enter the link or scan the QR-code to go to Zenitel Wiki for configuration instructions.

Zenitel Wiki: wiki.zenitel.com

Specifications

Technical specifications	Value
Dimensions ZIPS-K (ØxD):	93.4 x 34 mm
Dimensions ZIPS-KOE (HxWxD):	169 x 135.4 x 68.3 mm
Weight ZIPS-K	0.2 kg
Weight ZIPS-KOE	0.3 kg
IP Rating ZIPS-KOE	IP66
Relative humidity	< 95% not condensing
Operating temperature range	-40 °C to 70 °C
Encapsulation material ZIPS-K	ABS
Encapsulation material ZIPS-KOE	PC
Power options	PoE

Contact information

Visit zenitel.com to find your country's contact information.

CE

Zenitel hereby declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/35/EU and all other applicable EU directive requirements. The complete declaration can be found at www.zenitel.com

The WEEE Directive does not legislate that Zenitel, as a 'producer', shall collect 'end of life' WEEE.

This 'end of life' WEEE should be recycled appropriately by the owner who should use proper treatment and recycling measures. It should not be disposed to landfill.

Many electrical items that we throw away can be repaired or recycled. Recycling items helps to save our natural finite resources and also reduces the environmental and health risks associated with sending electrical goods to landfill.

Under the WEEE Regulations, all new electrical goods should now be marked with the crossed-out wheeled bin symbol shown.

Goods are marked with this symbol to show that they were produced after 13th August 2005, and should be disposed of separately from normal household waste so that they can be recycled.

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