

- ✓ All Call fist paging microphone
- ✓ Wall mounted
- ✓ Lockable vandal resistant
- ✓ IP65 rated for external use
- ✓ Built-in signal limiter
- ✓ Optionally house a radio microphone receiver module
- ✓ Serial data and analogue audio



SAP02

Station **Announcement Point**

Zenitel's Station Announcement Point (SAP02) is a versatile All-Call paging microphone, designed for installation in both internal or external public areas, such as train station platforms to facilitate local announcements. It is housed in an IP65-rated, vandal-resistant, wall-mounted, lockable box and integrates seamlessly with Zenitel's range of PAVA Audio Routers.

The SAP02 features a flexible fist microphone with an integrated PTT (Push-to-Talk) button, a graphic LED display, and an additional button to activate the optional radio receiver. It is equipped with a built-in signal limiter to handle variations in operator technique effectively.

For system integrity, the microphone generates an outgoing low-frequency surveillance tone, which the Audio Router uses to continuously monitor the audio path. Microphone capsule monitoring is conducted by injecting and analyzing a signal, ensuring that open or short circuits in the capsule or associated wiring trigger a fault indication. Additionally, the Audio Router monitors the data connection and reports any local alarms.

Radio Microphone Receiver

The SAP02 can optionally accommodate Zenitel's Radio Microphone Receiver (RMR02), allowing the operator to make announcements using either the wireless RPA01 Radio Microphone or the local fist microphone.

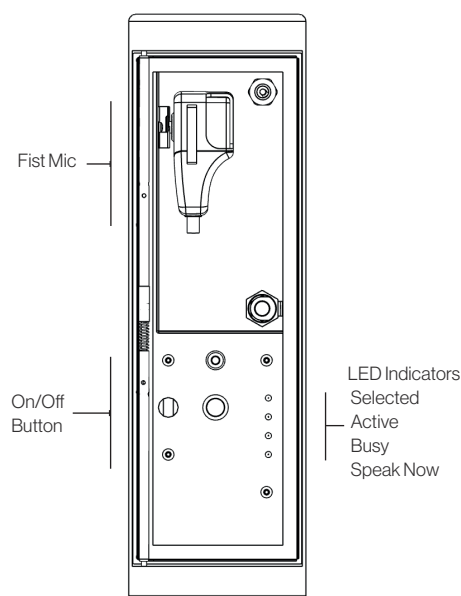
Both options are typically available without prior selection, though the Radio Microphone can be disabled via a push button. Front panel LEDs indicate whether the Radio Microphone is enabled and in use.

Connectivity

Field connections are provided on the inside rear panel of the back box by DIN rail mounted terminals. The SAP02 offers a simple connection, by directly connecting to a Zenitel Audio Router using analogue line audio, a serial link, and 24 V DC power, all of which are monitored for integrity. Distances up to 500 metres are achievable with a typical CAT5/6 cable.

MECHANICAL

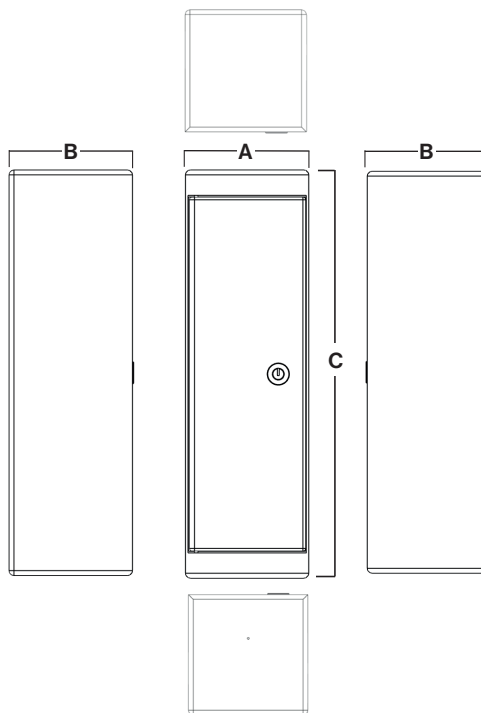
Control Panel & Buttons (Door Open)



MECHANICAL

Views & Dimensions (Door closed)

Dimensions (excluding lock):		
A	Width	150 mm
B	Depth	151.5 mm
C	Height	500 mm



SPECIFICATION

Power Supply

Supply Voltage Range	18 - 40 V DC
Current Consumption	
Min., all LEDs off	110 mA @ 24 V DC supply
Max., all LEDs on	125 mA @ 24 V DC supply
Current Consumption with RMR02	
Min., all LEDs off no announcement	260 mA @ 24 V DC supply
Max., all LEDs on	295 mA @ 24 V DC supply

Connectivity

Control Data	1 x Zenitel Serial Protocol RS-485 / 19200 baud
Audio Output	1 x Analogue audio 0 dBu balanced (nominal)
Output Impedance	66 Ω

Additional Connectivity

Commissioning Port Data	Only supported by the VAR range RS-485 / 9600 baud
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General

Microphone	Fist with Integrated PTT
LED Indications	
Speak Now	Green
Busy	Red
Radio Receiver Selected	Red
Radio Receiver Selected	Yellow
Lock type	High Quality Cylinder Lock

Mechanical

Dimensions (H x W x D)	500 mm x 150 mm x 151.5 mm
Weight (without RMR02)	10.4 kg max.
Colour	Agate Grey RAL7038 Low Smoke and Fume, Zero Halogen

Environmental

Temperature (Storage)	-5 °C to +50 °C
Temperature (Operation)	-5 °C to +50 °C
Humidity Range	0% to 93% non-condensing
IP Rating	IP65 (When door is closed, and back box fixing and cable entry holes sealed)

Compatibility

Zenitel Audio Routers	VAIA Range, VIPEDIA Range, IPAM Range & VAR Range
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Approval and Standard Compliance

Railway Applications	EN 50121-4
Low Voltage Directive (Safety)	EN / IEC / UL 62368-1
Electromagnetic Compatibility (Immunity)	EN 55035 / EN 50130-4 / EN 61000-6-1 / EN 61000-6-2
Electromagnetic Compatibility (Emissions)	EN 55032 (Class B) / EN 61000-6-3 EN 61000-6-4
Environmental	RoHS / REACH
Conformity Europe	CE

Compatible Hardware

RMR02	Radio Microphone Receiver
RPA01	Handheld Radio Microphone Transmitter
RADIO-MIC-LEADS	Adaptor Lead Pair

Product Part Codes

SAP02	Station Announcement Point
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Alternative Hardware

SAP03	Station Announcement Point with 10 buttons
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