zenitel

DATASHEET



1008192011

ECP-AA1

Emergency Call Point

- HD voice quality and background noise cancellation
- Dirt, dust and water resistant - IP65
- Stainless steel housing - A304
- Supports wide set of IP and networking standards

Automatic Gain Control Active Noise Cancelling Open Duplex

Description

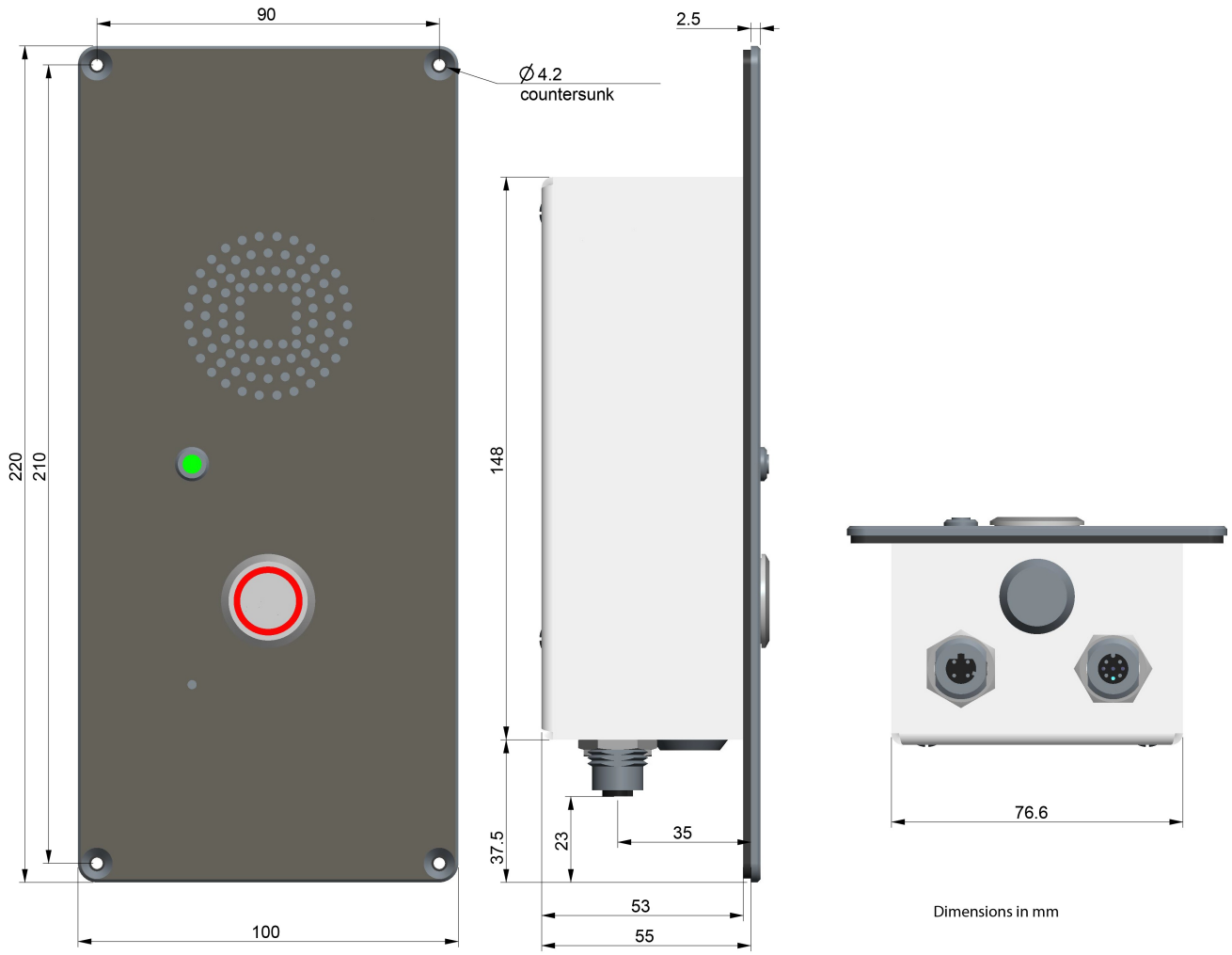
The user-friendly ECP-AA1 intercom has been specifically designed for the transportation segment. It can be used on rolling stock and is certified to comply with all relevant standards. It features a red indicator around the call button which will flash when a call is made. A green indicator is steadily lit when the call has been accepted and the full duplex speech channel is opened.

Technical Dimensions

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Dimensions in mm

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Specifications

ORDER NUMBER	DESCRIPTION	SHIP WEIGHT
1008192011	ECP-AA1, Emergency Call Point	1 kg / 2.2 lbs

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AUDIO

Audio quality - speech transmission index (STI) - at 70 dB	> 0.8
Audio quality - percentage articulation loss of consonants (Alcons) - at 70 dB	< 5%
Audio quality - total harmonic distortion + noise, without noise reduction (THD+N) - at 70 dB	< 2%
SPL rated power at 1m in open duplex	80 dB
Noise cancelling - suppression of musical noise	YES
Noise cancelling - suppression of static noise	YES
Noise cancelling - suppression of rapidly changing noise	YES
Codecs	G.711, G.722, G.729
Frequency range, G.722 Codec	200 Hz – 7000 Hz
Audio technology	Modes: Full open duplex, switched open duplex
	Adaptive jitter filter
	Local tone generator
	Automatic gain control (microphone)

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HARDWARE

Ethernet connector	1x M12
Induction loop amplifier connector	Internal inside the unit
I/O connector	1x M12
Outputs	12mA as LED drivers
PoE (power over Ethernet)	IEEE 802.3af standard, Class 0 (0.44W to 12.95 W)
Power consumption	Idle 1.8W, max 12W (depending on volume)
Audio Line out / Induction loop signal	600 Ohm
Call Progress Indicator	Red ring around the call button
Call Establised Indicator	Green LED

CONSTRUCTION

Dimensions (HxWxD)	220 x 100 x 53 mm / 8.66” x 3.94” x 2.09”
Weight	1 kg / 2.2 lbs.
Enclosure material	Stainless steel - AISI 304
Gasket material	Neoprene
Speaker protection	Stainless steel mesh, acoustically transparent

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NETWORKING AND PROTOCOLS

Protocols	IPv4 (with DiffServ), SIP, TCP, UDP, HTTPS, TFTP,
	RTP, DHCP, SNMP, STENTOFON CCoIP® , NTP
LAN protocols	Network Access Control (IEEE 802.1x)
	HTTP/HTTPS (Web configuration)
Management and operation	DHCP and static IP + STENTOFON Pulse™
	Remote automatic software upgrade
	Centralized monitoring
	E.g. network test, tone test, status reports
Advanced supervision functions	Network test, tone test, status reports
SIP support	RFC 3261 (SIP base standard)
	RFC 3515 (SIP refer)
	RFC 2976 (SIP info)
DTMF support	RFC 2833, 2976 (SIP info)

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ENVIRONMENT AND COMPLIANCES

IP rating	IP-65
Operating temperature range	-30° to 70° C
Storage temperature range	-30° to 70° C
Realative humidity	< 95% not condensing
UV-resistant	YES
Compliances	EN 50121-3-2 Railway application
	CE and FCC Part 15

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