INTERCOM TERMINAL

VSL-451QS Infill paint | 52479

52478   **52479**   **52480**

Features

4th generation IP audio intercom terminal

Powered via IEEE 802.3af PoE

Edge processing for intelligent data transmission

Bi-directional audio transmission with echo cancellation capabilities

Single call button

Automated self-test feature allows for the testing of the push button mechanism, acoustics and data comms remotely

Tamper detection and attempted device removal notification

Automated testing of speaker and microphone

Anti-ligature speaker design to prevent self harm in security environments

Text deep etched, infilled with red solvent ink

Water and vandal resistant

Specifications

Audio Characteristics

Speaker	1 x 4 Ω
Speaker Amplifier	2.5 W, 72 Hz – 15.4 kHz (output circuit frequency response -3 dB)
Max. Acoustic Output	87 dBSPL ± 3 dB @ 1 m (3.28 ft), 0 dBFS 1 kHz (non-clipped) sine wave signal
Speaker Hole Size	193 holes x 1.6 mm (0.05 in) diameter, anti-ligature design
Microphone	Digital MEMS Microphone
Microphone Hole Size	6 holes x 1.6 mm (0.06 in) diameter
	Equi-spaced on 6 mm (0.24 in) PCD
Digital MEMS Mic Sensitivity	-26 dB ±1 dB @ 94 dB SPL
Digital MEMS Mic Frequency response (-3dB)	100 Hz - 10 kHz
Audio Codecs	Opus, G.711 A-law, G.711 µ-law , G.722, Jacques PCM
Control Buttons	1 x piezo switch 19 mm (0.75 in)
Auxiliary Functions	Tamper detection and attempted device removal notification
	Automated testing of speaker and microphone (ATSM)

General

Power Input	IEEE 802.3af Class 0 Power over Ethernet (PoE) (cannot be locally powered) (44 – 57) V d.c. from PSE
Power Consumption	12 W max. (2.9 W standby)
Operating Temperature	-20 - 70°C (-4 - 158)°F
Storage Temperature	-40°C to 85°C (-40°F to 185 °F)
Operating Humidity	(10 – 95) % non-condensing
Dimensions (WxHxD)	125 mm x 180 mm x 48 mm (4.92 in x 7.09 in x 1.89 in),
	60 mm (2.36 in) min. mounting depth
Weight	0.65 kg (1.43lb)
Material, Finish	316 stainless steel (2 mm / 0.08 in), Linish
	Text deep etched, infilled with red solvent ink
Environment	Indoor and outdoor
Mounting Options	Flush mount backbox (FWE-14)
	Surface mount backbox (SWE-6/SWE-4SS)
	Rainhood (SRH-1)
Mounting Holes, Fixings	4 holes x 5.00 mm (0.20 in) diameter, M4 security torx screws

External Connections

Ethernet/Power	1 x RJ-45 port for Ethernet data (10/100/1000 Mbit/s) and PoE
Diagnostic port	1 x Diagnostic Interface (USB 2.0 OTG via Micro AB connector)
Cabling	4 pair UTP CAT-5E/6/6A, Size 23/24 AWG, 100 m (328 ft) max.
IP/IK rating	IP rating: IP66 (as per AS/NZS/EN 60529)
	IK rating: IK10 (as per EN62262)

Compliance

CAN ICES-3(B)/NMB-3(B)

Optional accessories

JEX-4001	Multi-function Expansion Module
JCE-4000	Jacques Cable Extender Module

Available models

52478	Infill text 'Press to call'
52479	Infill text 'Press to call' with signal
52480	Infill text with signal, 'Press to call', and additional 'Emergency' text