

V 2270



Figure 1: Ambient noise sensing module V 2270

Description

The ambient noise sensing (ANS) module V 2270 is one of the VARIZONE digital speaker system (DSS) bus components. The V 2270 has the following functions:

- Sensing of the ambient noise level via a microphone
- Transmission of the measured ambient noise level values to the VADIS frame via the DSS bus.

The control management software *Media Control* analyzes the measured values and arranges for the adjustment of the level of the audio data to the measured ambient noise level.

The V 2270 is installed, addressed and operated via a docking station. The docking station must be ordered separately.

The sensing of the ambient noise level is carried out with an electret-condenser microphone. The microphone is delivered with and installed via the docking station.

Main features

- DSS bus device
- Power supply of the ambient noise sensing module via the DSS bus
- Pre-amplifier for the microphone
- Easy installation, exchange and addressing of the ANS module via a docking station
- Easy connection of the ANS module to the docking station via a card edge connector
- Status LED for the ANS module on the docking station

Specification

V 2270

Connectors	34-pin card edge connector, male for the connection of the module to the docking station
Supply voltage, V_s	+48 V typ., bus voltage
Current consumption, I_A (max.)	350 mA @ bus voltage = 48 V typ.
Measurement range	± 40 dB @ a signal-to-noise-ratio between signal and ambient noise between -15 dB and +10 dB

Microphone connection

Phantom power	24 V
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Headphone connection

Resistor load 8 Ω :	
Total harmonic distortion and noise	2% typ. @ $P_o = 150$ mW, 20 Hz - 20 kHz
Signal-to-noise-ratio	100 dB typ. @ $P_o = 150$ mW
Resistor load 32 Ω :	
Total harmonic distortion and noise	0.4% typ. @ $P_o = 60$ mW, 20 Hz - 20 kHz
Signal-to-noise-ratio	100 dB typ. @ $P_o = 150$ mW
Ambient temperature limits	0° C min., 50° C max. for the operation of the device
Dimensions	Depth: 140.2 mm / 5.51" Height: 41.2 mm / 1.62" Width: 132.1 mm / 5.2"
Weight	460 grams typical

Front view

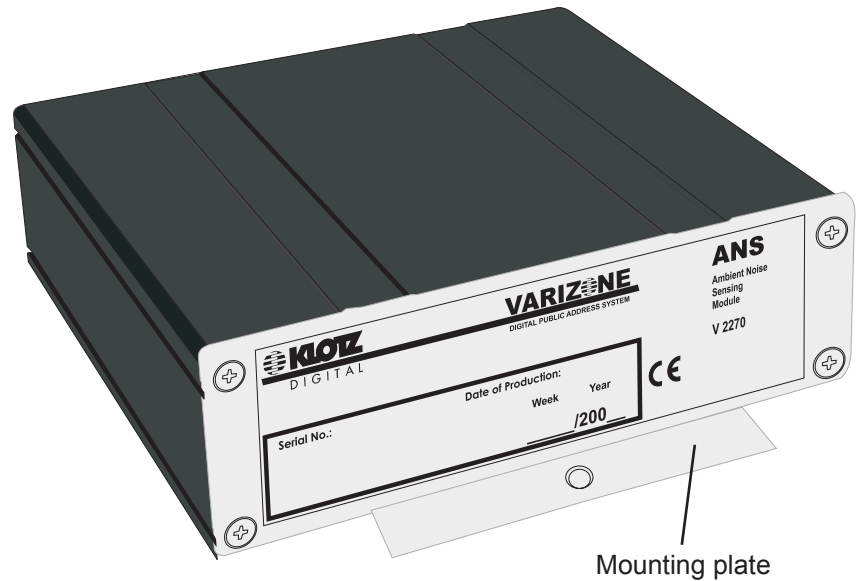


Figure 2: Ambient noise sensing module V 2270, front view

Rear view

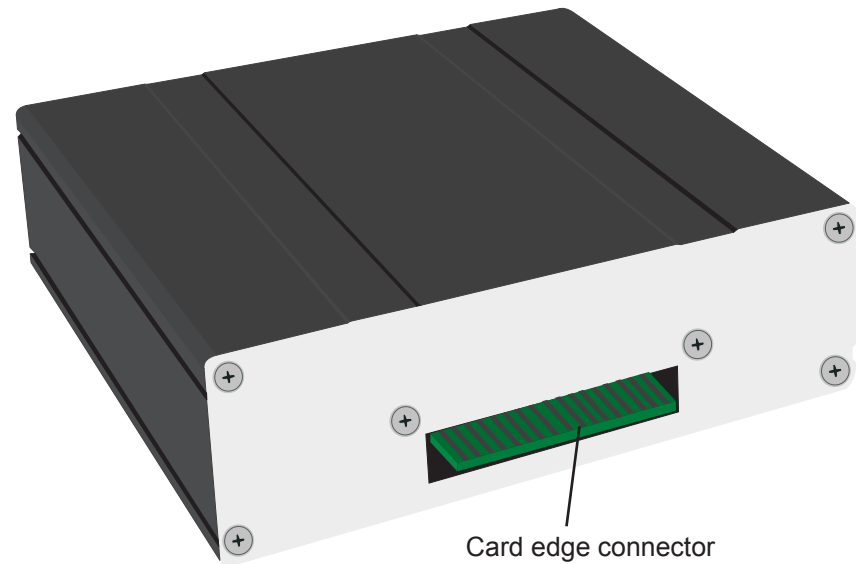


Figure 3: Ambient noise sensing module V 2270, rear view

