Control Unit – 11 control slots

VAC-CU-11LCD/LT

front panel

back panel
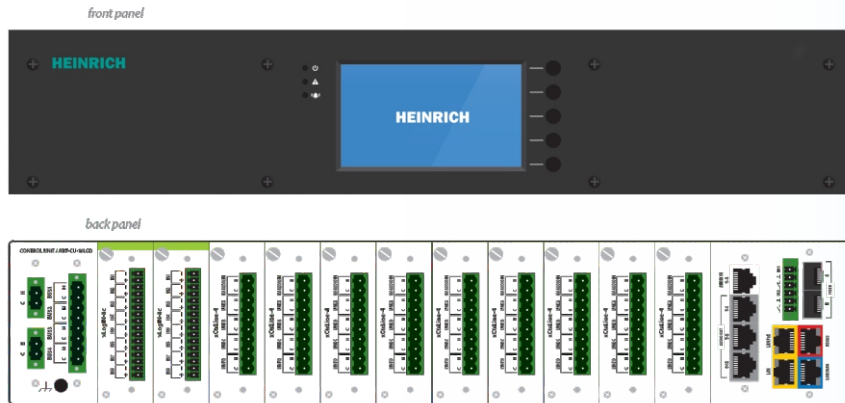
DESCRIPTION:

VAC-CU-11LCD/ LT is a system manager combine with an audio input, audio output unit, matrix, DSP, speaker line controller and network switch in one device. Flexibility of this CU allows for optimization Of both equipment and costs of operation in both minor and major structures as well as scattered groups of buildings. While working in the network system and when losing connection with a superior unit VAC-CU-11LCD/LT is able to carry out Evacuation scenarios independently thanks to the locally recorded configuration. If attached to the main communication ring of the system VAC-CU-11 can not only control amplifiers and power supply managers but receive alarm and digital signals and send them to other devices in the system as well.

VAC-CU-11LT control unit distributes audio signals to individual zones and supervises the correctness of functioning of individual zones. It also controls the condition of a loudspeaker line and amplifiers. It detects and signals defects and insets a backup amplifier. This CU is equipped with an card offering 4 audio inputs and 12 audio outputs intended for connection of amplifier inputs.

FEATURE:

- EN 54-16 certified system.
- Fully network-based system allowing for configuration, control and diagnostics via ethernet.
- A possibility of managing up to 254 devices in the network.
- 11 slots available for any configuration of loudspeaker control cards, control inputs and outputs cards.
- Built in audio card with 4 inputs and 12 audio outputs.
- 12 messages played simultaneously into different zones.
- Up to 32 gb sd flash memory dedicated for playback and recording messages (high quality audio sampled at 48khz, 32-bit).
- Up to 12 secured amplifiers supported.
- Built in 2 control inputs and outputs.
- 1x poe port
- 2x 1gbit ports available for system extension.
- 28-channel digital audio bus common for the whole system.
- Integrated dsp with implemented 3 band parametric eq on all inputs on control units, 8 band parametric eq, delay lines (2,5 seconds), audio limiter and feedback eliminator each of the audio output

SPECIFICATION:

Model	VAC-CU-11LCD/LT
Power supply	48 V DC (operating range 40-57 V DC)
Power consumption	Up to 100 W (depends on configuration)
Number of control slots	11
Number of function slots	0
Messages	Supported SD HC up to 32 GB/The set included 2 GB SLC SDHC cards provide more than Two hours of messages, where 6 MB/min = 360 MB/h = 8,438 GB/24 h
LCD display	In ABT-CU-11LCD – 272x480 resolution, 4.5" resistive LCD touchscreen
DSP	Implemented 3 band parametric EQ on all 4 inputs of the control units Implemented 3 band parametric EQ on all 4 inputs of the control units
Number of audio inputs	4
Type of audio inputs	Differenial
Connector type	1x Rj45
Frequency response	40 Hz... 20 kHz (@1dB) / 400 Hz... 8 kHz (@0,1dB)
Input impedance	≥ 10 kΩ
Maximum input voltage	≥ 3 Vrms
Number of outputs	12
Type of outputs	Balanced
Connector type	3x Rj45
Frequency response	40 Hz... 20 kHz (@1dB) / 400 Hz... 8 kHz (@0,1dB)
Harmonic distortion (THD+IMD)	≤ 0,05%
Headroom	10 dB
SNR	≥ 90 dB
Channel separation	≥ 80 dB
Output impedance	600 Ω
Nominal output level	1 Vrms
Fiber module	Modules type SFP / Connector SC/LC /
connector type / kind of fiber	Multimode or single-mode / E 30 or E 90, OM lub Om2
Communication with PC	PC software:RJ45 connector twisted pair connection TIA/EIA 568A by the Ethernet protocol
Operating temperature	0°C / +60°C
Operating humidity	15% to 80% (non-condensing)
Storage temperature	-20°C / +70°C
Storage Humidity	15% to 80% (non-condensing)
Finish Case Material	Finish Case Material: Steel / The front panel is made of metal plate painted black
Dimensions	482 (W) X 85 (H) × 325 (D) mm
Mounting	19˝ – rackmount
Weight	Up to 8,4 kg (depends on configuration)
Accessories	2 brackets and 4 screws for rack, 8 caps for free slots