VM-3240VA AMQ

VOICE ALARM SYSTEM AMPLIFIER 240W



The VM-3000 Series is the world's first Voice Evacuation System complying with both American and Canadian standards UL 2572 and CAN/ULC-S576 listings. It is ideal for small and medium-sized applications. It incorporates such emergency functions as continuous speaker line monitoring and a built-in voice alarm. This easy-to-install system also offers PA broadcasting, paging and BGM functions that ensure consistently high intelligibility. The VM-3000 Series is digitally audio processed and controlled, and may be set up and operated directly by using the controls and LCD display on the front panel. A dedicated PC software configuration capability is also provided for establishing settings via LAN. The incorporation of wide-ranging functional capabilities, superb reliability and versatility make the VM-3000 a highly cost-effective emergency broadcast system.

Key features

- Max. 13 MIC/LINE Inputs
- Max. 60 assignable speaker zone outputs
- Up to a combination of 4 Fireman's and remote Microphones
- Continuous speaker line monitoring without interruption
- Complete fault detection and indication
- Built-in voice alarm message

Specifications

Power Source	120 V AC, 60 Hz
Power Consumption	Power Consumption 690 VA (at rated output), 260 W (According to UL60065), 63 W (at no signal)
Rated Output	240 W
Frequency Response	50 Hz - 20 kHz, ±3 dB (at 1/3 rated output)
Distortion	0.7 % or less (at rated output, 1 kHz)
Signal-to-Noise Ratio	85 dB or more
Audio Input/Output Characteristic	Sampling frequency: 48 kHz A/D D/A converter: 24 bit
Input	Input 1 - 3: -50 dB* (MIC)/-10 dB* (LINE) (changeable), 600 Ω, electronically balanced, combined XLR connector (female)/phone jack Input 4: -50 dB* (MIC)/-10 dB* (LINE) (changeable), 600 Ω, electronically balanced, removable terminal block (14 x 2 pins) BGM 1 - 2: -10 dB*, 10 kΩ, unbalanced, RCA pin jack External amplifier input: 100 V line, removable terminal block (14 pins)
Output	Speaker output 1 - 2: Max. (240 W) per output Speaker output 3 - 6: Max. (120 W) per output Speaker output 1 - 6: Total within 240 W, removable terminal block (14 pins) Allowable minimum load: 500 Ω (20 W) at 100 V line for speaker line failure detection Direct output: Direct output from internal or external amplifier, removable terminal block (16 pins) Recording output BGM/Paging: 0 dB*, 10 kΩ, unbalanced, RCA pin jack
RM Link	Input 1 - 2: Connecting the RM-300MF/RM-200M Remote Microphone. RJ45 female connector Maximum distance: Total 800 m (874.89 yd) between this unit and remote microphones Link cable: Category 5 Shielded Twisted-Pair straight cable (CAT5-STP)
Network I/F	10BASE-T / 100BASE-TX (selectable by automatic negotiation), RJ45 female connector Maximum distance: 100 m (109.36 yd) between this unit and a switching hub Link cable: Category 5 Shielded Twisted-Pair straight cable (CAT5-STP)
VM Link	Output: Connecting the VM-3240E or VM-3360E, RJ45 female connector Maximum distance: 800 m (874.89 yd) Link cable: Category 5 Shielded Twisted-Pair straight cable (CAT5-STP)
EXT PA Link	Connecting the VP-2241 or VP-2421, RJ45 female connector Maximum distance: 5 m (16.4 ft) Link cable: Category 5 Shielded Twisted-Pair straight cable (CAT5-STP)
General Control	Input 1 - 8: No-Voltage make contact input, open voltage: 24 V DC, short-circuit current: 2 mA or less, removable terminal block (14 x 2 pins) Output 1 - 8: Isolated open collector output, withstand voltage: 30 V DC, operating current: 10 mA or less, removable terminal block (14 x 2 pins)
Emergency Control	Input 1 - 5: No-Voltage make contact input, open voltage: 24 V DC, short-circuit current: 2 mA or less, RJ45 female connector Input 6: Isolated voltage input, Inactive: -24 V ±20 %, Active: +24 V ±20 %, RJ45 female connector Status out: Relay contact output, withstand voltage: 40 V DC, operating current: 2 - 300 mA, RJ45 female connector
ATT Control	Relay contact 1-6, 125 V AC or 30 V DC, total under 5 A, removable terminal block (16 pins)
Power Input/Output	Power in: Connecting the VX-2000DS only (operating range: 20 - 40 V DC) PS out: 28 V DC/18 A M4 screw terminal, distance between barriers: 11 mm (0.43")
DC24V Output	24 V DC, Maximum feeding current 0.3 A

DS Link	Connecting the VX-2000DS, RJ45 female connector Maximum distance: 5 m (16.4 ft) Link cable: Category 5 Shielded Twisted-Pair straight cable (CAT5-STP)
Operating Temperature	-5 °C to +45 °C (23 °F to 113 °F)
Operating Humidity	5 % to 95 %RH (no condensation)
Finish	Panel: Aluminum, hairline, black Case: Surface-treated steel plate, black, paint
Dimensions	482 (W) x 132.6 (H) x 431.2 (D) mm (18.98" x 5.22" x 16.98")
Weight	16.5 kg (36.38 lb)
Included Accessories	Power cable (2 m (6.56 ft) ...1, Setting software-CD ...1, Link cable (3 m (9.84 ft) ...2, Plastic foot ...4, Plastic foot mounting screw ...4, Removable terminal plug (14 pins)...3, Removable terminal plug (16 pins) ...1, Emergency microphone (hand-held type) ...1