TOA   VOICE EVACUATION SYSTEM 500W   VM-4050(HCE)

■DESCRIPTION

The VM-4050 is a Voice evacuation system that can be mounted in an EIA standard equipment rack (3U size).
It is equipped with audio inputs with volume controls, speaker output with built-in attenuator, 8-output selector, and a battery charger. It is equipped with 2 power amplifiers and features Standby amplifier function and Dual channel broadcast function. Compatible with a dedicated network, allowing a system consisting of up to 10 units with 80 outputs. This system allows for a distributed configuration.
Equipped with a surveillance function that automatically checks for system failures.
It is possible to display the failure status and the signal status of the power amplifier.

■SPECIFICATIONS

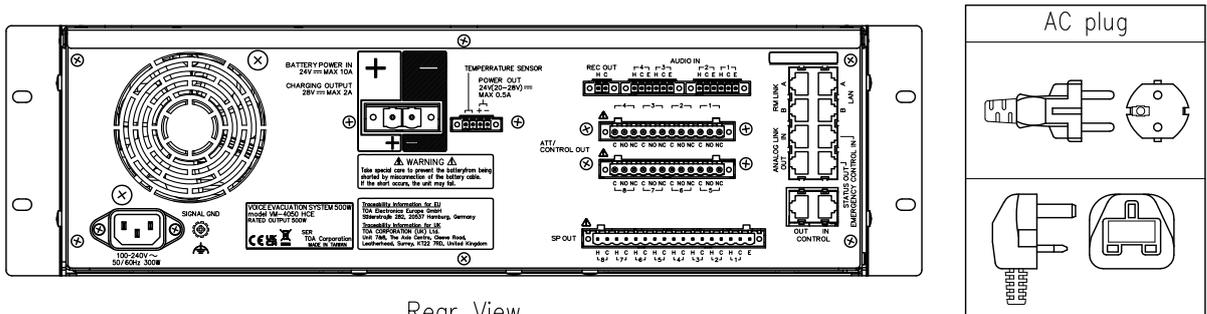|	
Power Source	100 - 240 V AC 50/60 Hz
Power Consumption	850 W, 300 W (1/8 rated output)
Current consumption when operating on battery	38 A, 10 A (1/8 rated output)
Frequency Response	50 Hz - 20 kHz
Distortion	0.7 % or less
Signal to Noise Ratio	85 dB or more
DC Power Output	24 V (20 - 28 V) 0.5 A max. removable terminal block
Charging Output Current	2 A max.
Applicable Battery	Yuasa: NP24-12I (24 Ah) X 2, removable terminal block (2 pins)
Audio Input	4 inputs sensitivity: -60 dB (*1)/-40 dB (*1)/-20 dB (*1)/0 dB (*1) 　　　　　(changeable with Setting Software) Gain control: volume adjustable with volume control -∞ to 0 dB Input impedance: 47 kΩ, electronically balanced Phantom Power Supply: 24 V DC, can be set with Setting Software Connector: removable terminal block (6 X 2 pins)
Audio Output	Speaker output 1 - 2: MAX. (360 W) per output Speaker output 3 - 8: MAX. (120 W) per output Speaker output 1 - 8: Total within 500 W, removable terminal block (17 pins) Allowable minimum load: 500 Ω (20 W) at 100 V line for line failure detection Recording output: 0 dB (*1), 10 kΩ, unbalanced, removable terminal block (2 pins)
RM Link	Number of connectors: 2 (RM LINK A, RM LINK B) Audio input level: 0 dB (*1) Power feed: MAX 1 A per connector Connector: RJ45 connector Connection cable: Shielded Category 5 twisted pair cable (CAT5-STP) or greater
LAN A, B (Dedicated network)	Number of connectors: 2 (LAN A, LAN B) Network I/F: 100BASE-TX Network Protocol: TCP, UDP, ARP, ICMP, RTP, IGMPv3, FTP, HTTP, NTP Spanning tree Protocol: RSTP Connection Device: VM-4025, VM-4050, VM-4025WM, Switching HUB Connector: RJ45 connector Connection cable: Shielded Category 5 twisted pair cable (CAT5-STP) or greater Number of Stages of Cascade connection: UP to 7 Maximum Cable Distance: 100 m (328.08 ft)
Control Input	16 inputs, no-voltage make contact input, open voltage 24 V DC, Short-circuit current: 2 mA Fault Detection System: Short circuit, Open circuit Connector: RJ45 connector Connection Cable: Shielded Category 5 twisted pair cable (CAT5-STP) or greater
Emergency Control IN	Input: Isolated voltage input, -30 to 30 V Connector: RJ45 connector Connection Cable: Shielded Category 5 twisted pair cable (CAT5-STP) or greater
Control Output	General outputs: 8 with CONTROL OUTPUT No-voltage make contact, electrical contact output, control current: 10 mA, withstand voltage: 28 V DC Connector: RJ45 connector Connection Cable: Shielded Category 5 twisted pair cable (CAT5-STP) or greater
Status Output	Output General Fault, electrical contact output, relay contact (NC, NO, C), control current: 2 mA to 300 mA, withstand voltage: 40 V DC Connector: RJ45 connector Connection Cable: Shielded Category 5 twisted pair cable (CAT5-STP) or greater
ATT/Control Output	8 outputs, no-voltage make contact, relay contact (NC, NO, C), Control current: 2 mA to 5 A, withstand: 125 V AC, 40 V DC Connector: Removable terminal block (12 pins) X 2

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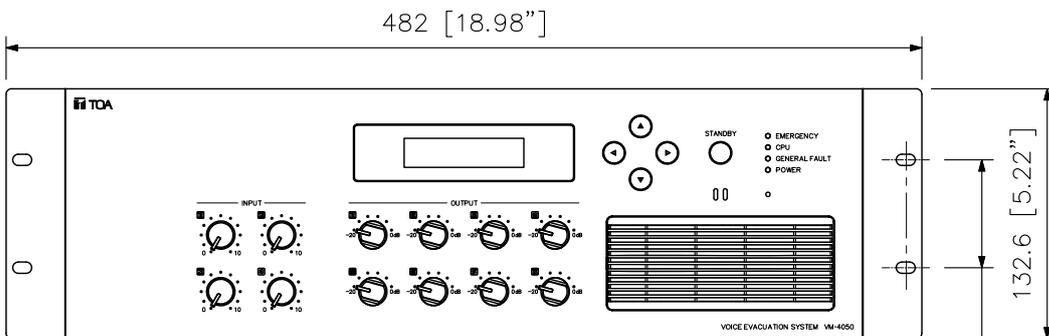
■SPECIFICATIONS

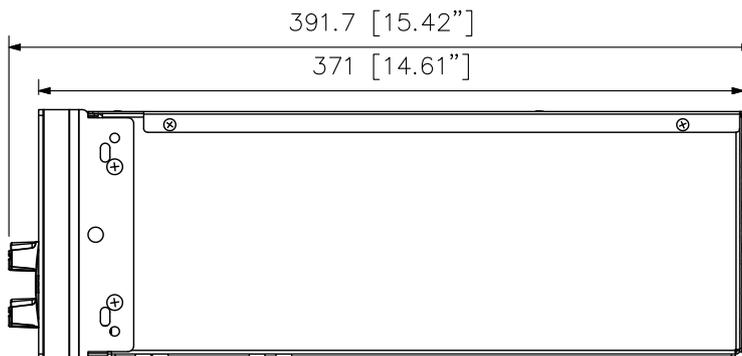|	
Analog Link	Number of connectors:1 input, 1 output Connector: RJ45 connector Connection Cable: Shielded Category 5 twisted pair cable (CAT5-STP) or greater Maximum Cable Distance: 800 m (2624.67 ft)
Operation	LCD screen operation key (up, down, left, right) × 1, Standby key × 1, Input volume × 4, Output volume × 8
Indicator	Power indicator (green), CPU indicator (red, green), General Fault indicator (yellow), Emergency indicator (red)
Operating Temperature	−5 ℃ to +45 ℃ (23 ℉ to 113 ℉)
Operating Humidity	90 %RH or less (no condensation)
Finish	Panel: Surface-treated steel plate, black, 30 % gloss, paint
Dimensions	482 (W) × 132.6 (H) × 391.7 (D) mm (18.98" × 5.22" × 15.42")
Weight	14 kg (30.86 lb)
Accessory	Removable terminal plug (2 pins) ⋯1, Removable terminal plug with thermistor (4 pins) ⋯1, Removable terminal plug (6 pins) ⋯2, Removable terminal plug (10 pins) ⋯2, Removable terminal plug (12 pins) ⋯2, Removable terminal plug (17 pins) ⋯1, Battery terminal plug (2 pins) ⋯1, Fastener hook ⋯4, Fastener loop ⋯4, Thermal insulating sheet ⋯1, Power cord (2 m (6.56 ft)) ⋯2
Applicable System	VM-4000 Series

(∗1) 0 dB = 1 V

■APPEARANCE

Rear View

AC plug

482 [18.98"]

Front View

132.6 [5.22"]

57.2 [2.25"]

391.7 [15.42"]

371 [14.61"]

Side View

UNIT:mm   SCALE:1/4

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DWG No: GVM01UC1