

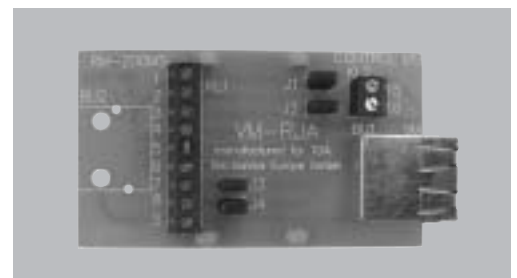
# SYSTEM REMOTE MICROPHONE WITH MONITORING OF MICROPHONE CAPSULE

## RM-200MS



The microphone capsule of the RM-200MS is monitored on failure, and a failure control signal is provided to indicate a failure on the microphone capsule. This function is required for the remote microphone (for emergency purposes) to comply with the EN 60849.

In case of a microphone capsule failure, the failure LED on the VM-2000 and RM-200M(S) will illuminate. It is also possible to control an extra LED for a separate failure indication



### VM-RJA Unit\*

For more easily connection between VM-2000 and RM-200MS.

Mountable on DIN rails, for cabinet rack installation.

Dimension: 70mm x 40mm

### \* IMPORTANT NOTE

**The connection of the RM-200MS differs from the RM-200M connection!**

The RM-200MS must not be linked with the standard RM-200M using the link connectors, and must not be connected directly to the link connector of the VM-2000.

## SPECIFICATIONS

Model No.	RM-200MS Remote Microphone
Power Requirement	24 V DC (Operating range: 14 – 28 V DC) Power input jack: Non-polarity type Usable power input plug*: Outer diameter ø5.5 mm, inner diameter ø2.1 mm, length 9.5 mm
Current Consumption	100 mA maximum
Distortion	Under 1%
Frequency Response	100 – 20,000 Hz
Signal-to-Noise Ratio	Over 60 dB
Audio Output	0 dB*, 600 Ω, balanced
Microphone	Unidirectional electret condenser microphone
Speaker Control	Zones 1 – 5 or Zones 1 – 10 (2 stacked amplifiers connection), Groups 1 – 2, and All-Zone Broadcast
Emergency Broadcast	Activation of Emergency Broadcast (pre-recorded announcement**3 or live microphone announcement) by Emergency Broadcast Switch
Voice Message Control	Activation of 5 messages**3
Volume Control	Microphone volume control
Connection Cable and Connector	Category 5 STP cable, RJ45 connector
Finish	ABS resin, bluish gray
Dimensions	190 (W) × 76.5 (H) × 215 (D) mm (Gooseneck microphone excluded)
Weight	790 g
Accessory	Link cable (3m) ...1

\*10 dB = 1 V

\*\*1 Use the AC adapter AD-4800 optionally available as our service component.

\*\*2 An optional EV-200 Board must be mounted in the VM-2120 or VM-2240 Amplifier.

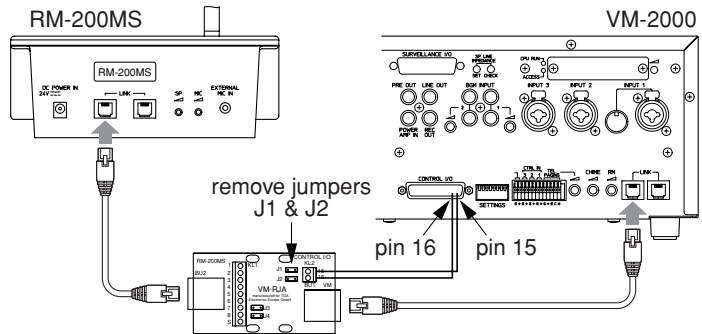
\*\*3 The voice messages must be pre-recorded into a CF (CompactFlash) card to be inserted into the EV-200 Board.



## CONNECTONS

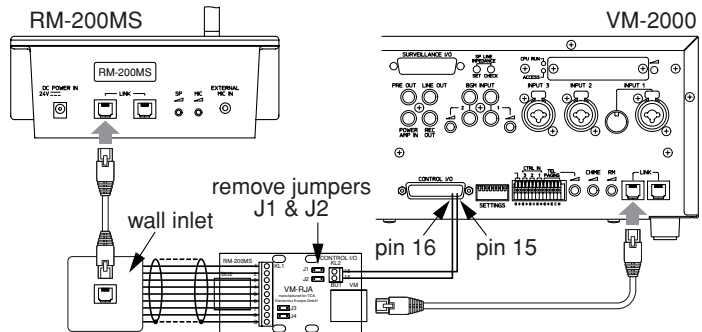
### Using VM-RJA With Two RJ45 Connectors:

Any LINK connector of the VM-2000 and RM-200MS can be used.



### Using VM-RJA With One RJ45 Connector And Screw Terminal:

Any LINK connector of the VM-2000 and RM-200MS can be used. The numbers printed next to the screw terminal on the VM-RJA board correspond to the numbers of the RJ45 connectors.



### Connection Of An External Power Supply

Remove the jumpers J3 and J4, and solder the power supply's wires to the PCB as shown right. The connection to the RM-200MS and VM-2000 are as shown above.

