

Operation Manual

Emergency Panel **EP-6216**



* Rack mount products in the Western Hemisphere(North America, South America, and the Caribbean) do not have handles installed due to customer preference.

interM

Welcome

A personal welcome to you from the management and employees of Inter-M

All of the co-workers here at Inter-M are dedicated to providing excellent products with inherently good value, and we are delighted you have purchased one of our products.

We sincerely trust this product will provide years of satisfactory service, but if anything is not to your complete satisfaction, we will endeavor to make things right.

Welcome to Inter-M, and thank you for becoming part of our worldwide extended family!



WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.

Caution: To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

Attentions: Pour prévenir les chocs électriques ne pas utiliser cette fiche polarisée avec un prolongateur, une prise de courant ou une autre sortie de courant, sauf si les lames peuvent être insérées à fond sans en laisser aucune partie à découvert.

*WARNING FOR YOUR PROTECTION PLEASE READ THE FOLLOWING-WATER AND MOISTURE: Unit should not be used near water(e.g. near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc). Care should be taken so than objects do not fall and liquids are not spilled into the enclosure through openings.

*Do not install this equipment in a confined space such as a book case or similar unit.

*This apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such vases, shall be placed on the apparatus.

*This apparatus shall be connected to a mains socket outlet with a protective earthing connection.

*It has heed to be easy to disconnect the device. To disconnect the device from power, separate AC input cable from inlet or unplug the AC Cord.

*The socket-outlet shall be installed near the equipment and shall be easily accessible.

CAUTION

*These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

NOTE

*This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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Unpacking

Although your EP-6216 is neither complicated nor difficult to operate, we recommend you take a few minutes to read this brief manual and familiarize yourself with the important information regarding product features, setup and operation.

As with most electronic devices, we strongly recommend you retain the original packaging. In the unlikely event the product must be returned for servicing, the original packaging (or reasonable equivalent) is required.

Installation

Environment

Never place this product in an environment which could alter its performance or reduce its service life. Such environments usually include high levels of heat, dust, moisture, and vibration.

IMPORTANT SAFETY INSTRUCTIONS

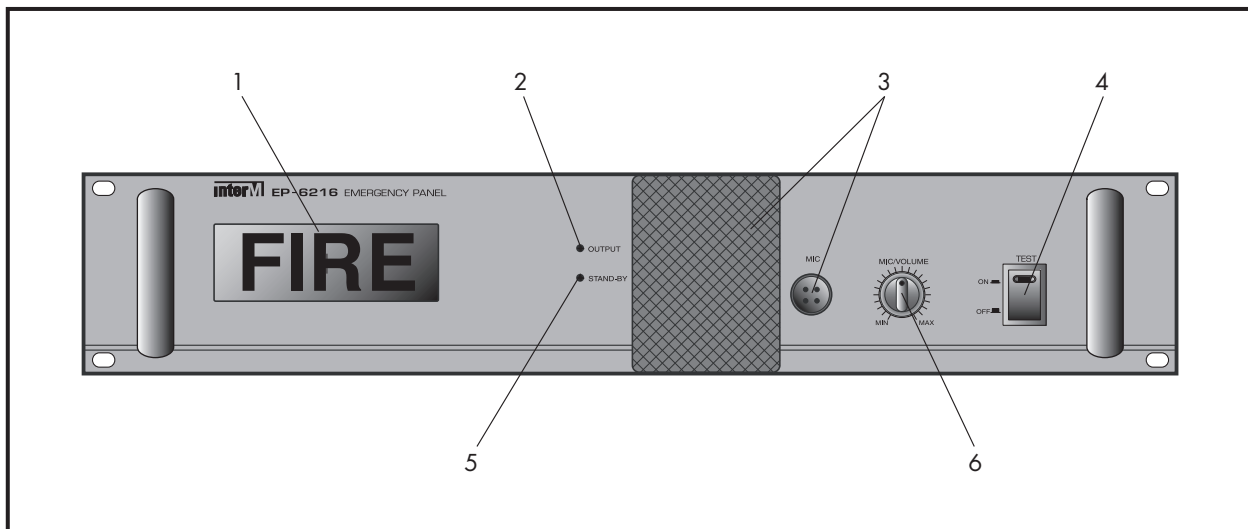
1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



Features

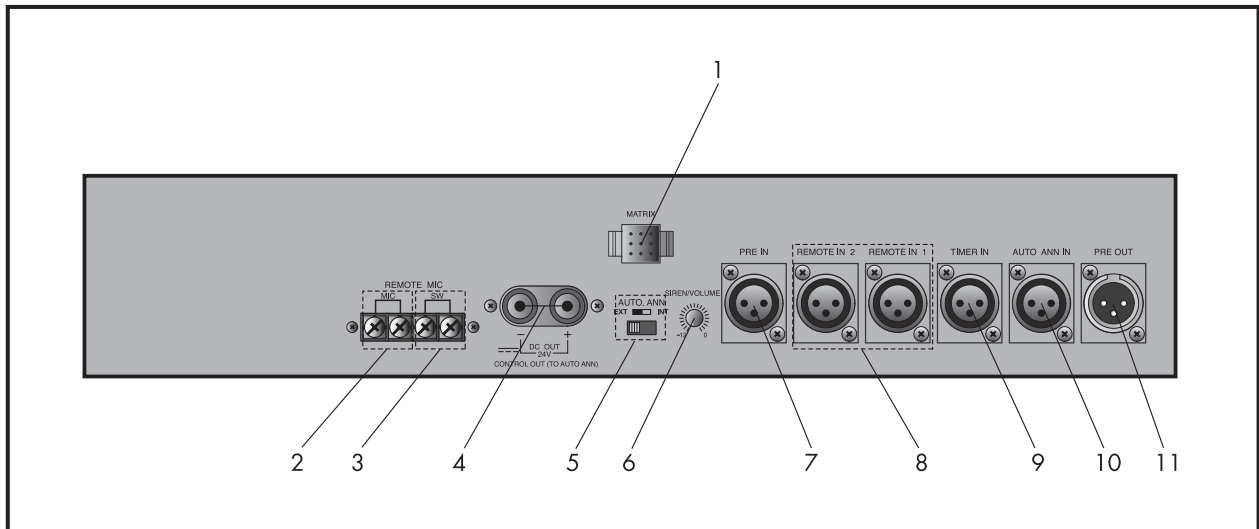
- FIRE ALARM
Connect to a fire sensor for a fully functional fire alarm.
- AUTO OPERATING FUNCTION
Alarm will sound automatically on alternate floors.
- AUTO ANNOUNCEMENT
Automatic announcements during fire alarm operation.
- TEST FUNCTION
Use the test function for system tests or to conduct emergency drills.

Front Panel



1. FIRE INDICATOR
This panel blinks red when fire has been detected.
2. OUTPUT INDICATOR LED
Audio signal level indication.
3. MICROPHONE AND BUILT-IN SPEAKER
The unit contains a built-in uni-directional dynamic microphone, and a built-in speaker for convenient local monitoring.
4. TEST SWITCH
This switch is used to check system. When the switch is pressed, the relevant LED lights.
5. STANDBY INDICATOR LED
This LED will light to indicate that power has been applied to the unit, and the unit is in Standby mode.
6. MIC VOLUME
This knob controls the mic output volume. Rotating in a clockwise direction increases volume.

Rear Panel



1. **MATRIX CONNECTOR**
This multi-pin EMG jack is for the connection of an external timer, such as the Inter-M ECS-6216P.
2. **REMOTE MIC TERMINAL**
Connect an external microphone to this terminal. The external mic is active when the Remote Mic Switch (3) is set to External.
3. **REMOTE MIC SWITCH**
Connect the Remote Mic switch to this terminal.
4. **DC 24V OUT TERMINAL**
Automatically output when automatic announcement.
5. **AUTO ANN SELECTOR SWITCH**
This switch is used to set the auto announcement mode to either external or internal.
6. **SIREN VOLUME**
This knob controls siren level.
7. **PRE-AMP INPUT JACK**
This jack is used to connect the output of a pre-amplifier.
8. **REMOTE 1, 2 INPUT JACKS**
These jacks are used to connect the output of a pre-amplifier to REMOTE 1 and REMOTE 2.

9. TIMER INPUT JACK

This jack is for the connection of an external timer, such as the Inter-M PW-6242A.

10. AUTO ANN INPUT JACK

Connect the output of an auto broadcasting system (or a cassette deck or other line level device) to this balanced XLR input jack. This input is active when the AUTO ANN SELECTOR SWITCH (5) is set to external.

11. PRE OUT JACK

This balanced XLR jack carries the pre-amp out signal, and is used to make a mono connection to the main amplifier and speakers.

Suggestions for Rack Installation

1. Switch off power to the EP-6216 before installing the system.
2. Connect the Inter-M ECS-6216P to the MATRIX CONNECTOR (1) on the rear panel.
3. Connect the PRE OUT jack (11) to the input of your main amplifier.
4. Connect audio output of your auto broadcasting system to the AUTO ANN input jack (10), and the DC 24V In jack of your auto broadcasting system to the DC 24V OUT jack (4) of the EP-6216.
5. Connect the output jack of the Inter-M PW-6242A to the TIMER jack (9).
6. Connect the output of your remote pre-amp to the REMOTE INPUT jack (8) and the pre-amp of the main broadcasting system to the PRE-AMP INPUT jack (7).
7. If using a remote mic, connect the microphone and switch to the rear panel REMOTE MIC TERMINAL (2) and REMOTE MIC SWITCH (3).

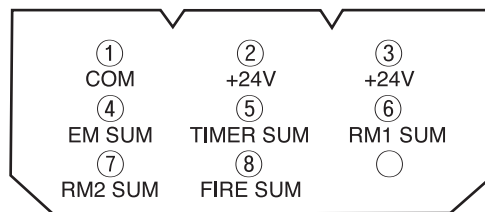


TABLE 1: MATRIX CONNECTOR PIN NO. & FUNCTION

Operating Procedure

Switch off the EP-6216 Power Switch.

Select either External mode or Internal mode (3) before installing the system.

Using the TEST SWITCH, an alarm is broadcast through the built-in speaker.

Test the microphone, setting the MIC VOLUME on front (6) as desired.

NOTE: The Pre-Amp Input, Remote 1 and 2 Input, Timer Input, and Auto-Ann Input are sent to the PRE OUT in the following priority.

PRIORITY	INPUT SIGNAL
1	Auto-Ann
2	Timer
3	Remote 1
4	Remote 2
5	Pre-Amp

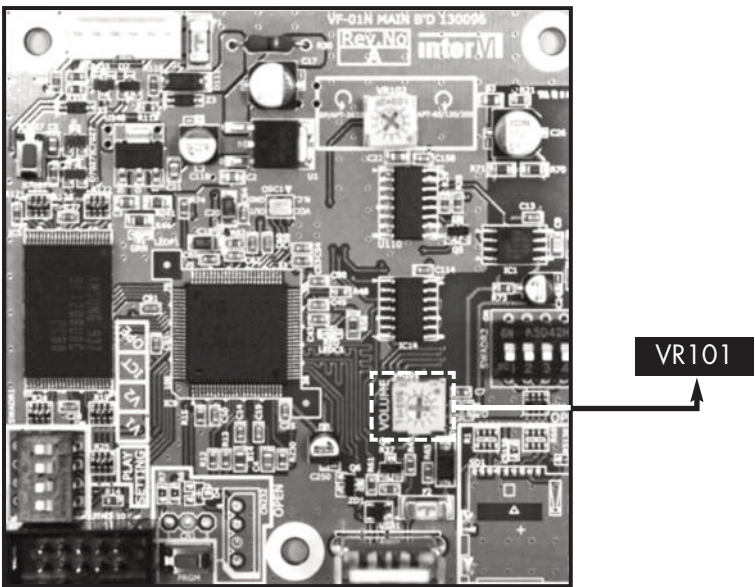
Voice File Board (VF-01N Option)

- 1. The board of VF-01N is for the automatic broadcasting in case of emergency.
- 2. DIP switcher that can set up the number of the repeat output is included in VF-01N board.
 - Regard of the number of repeat voice output, please select the switcher as below.

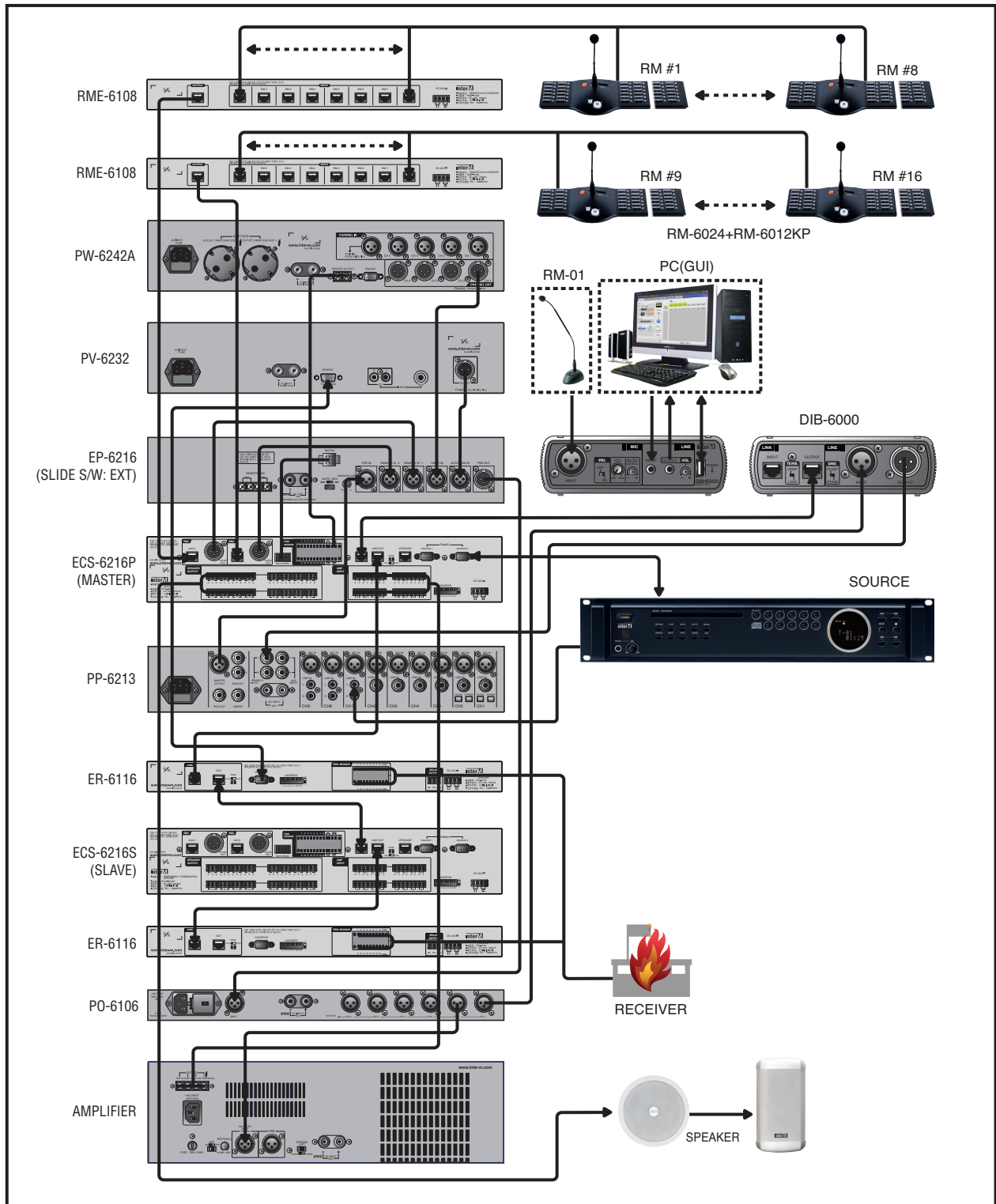
Switch Selection					Repeat
1	2	3	4	DIP-SW	
ON	OFF	OFF	OFF		2 times
OFF	ON	OFF	OFF		4 times
OFF	OFF	ON	OFF		8 times
OFF	OFF	OFF	ON		16 times

- Basically, the release of the product is configured the 4 times of this.

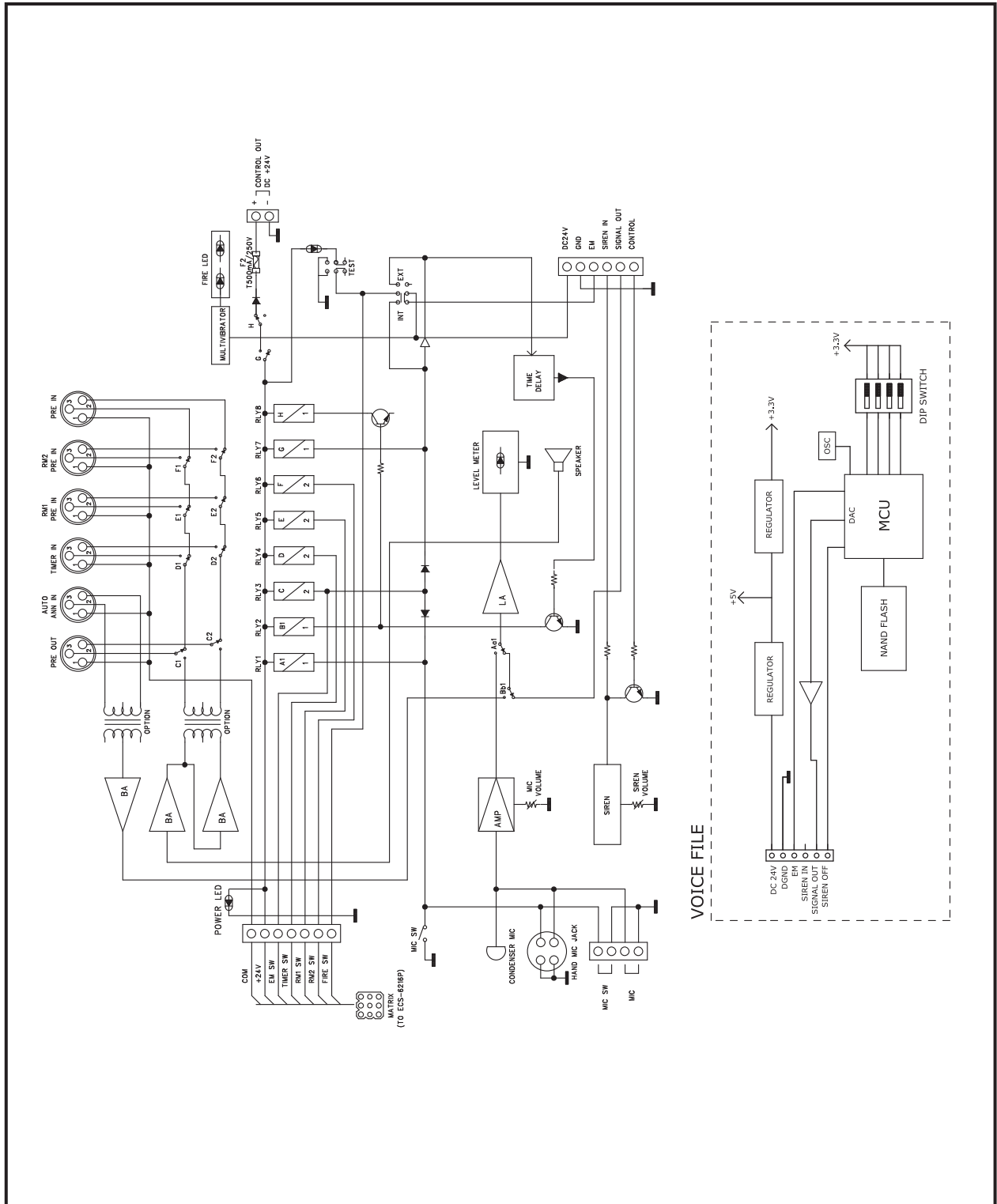
- 3. Voice compose board of VF-01N is possible to control the level of output.
 - During installation, please control the level of output by VR101 of VF-01N.



Applications



Block Diagram

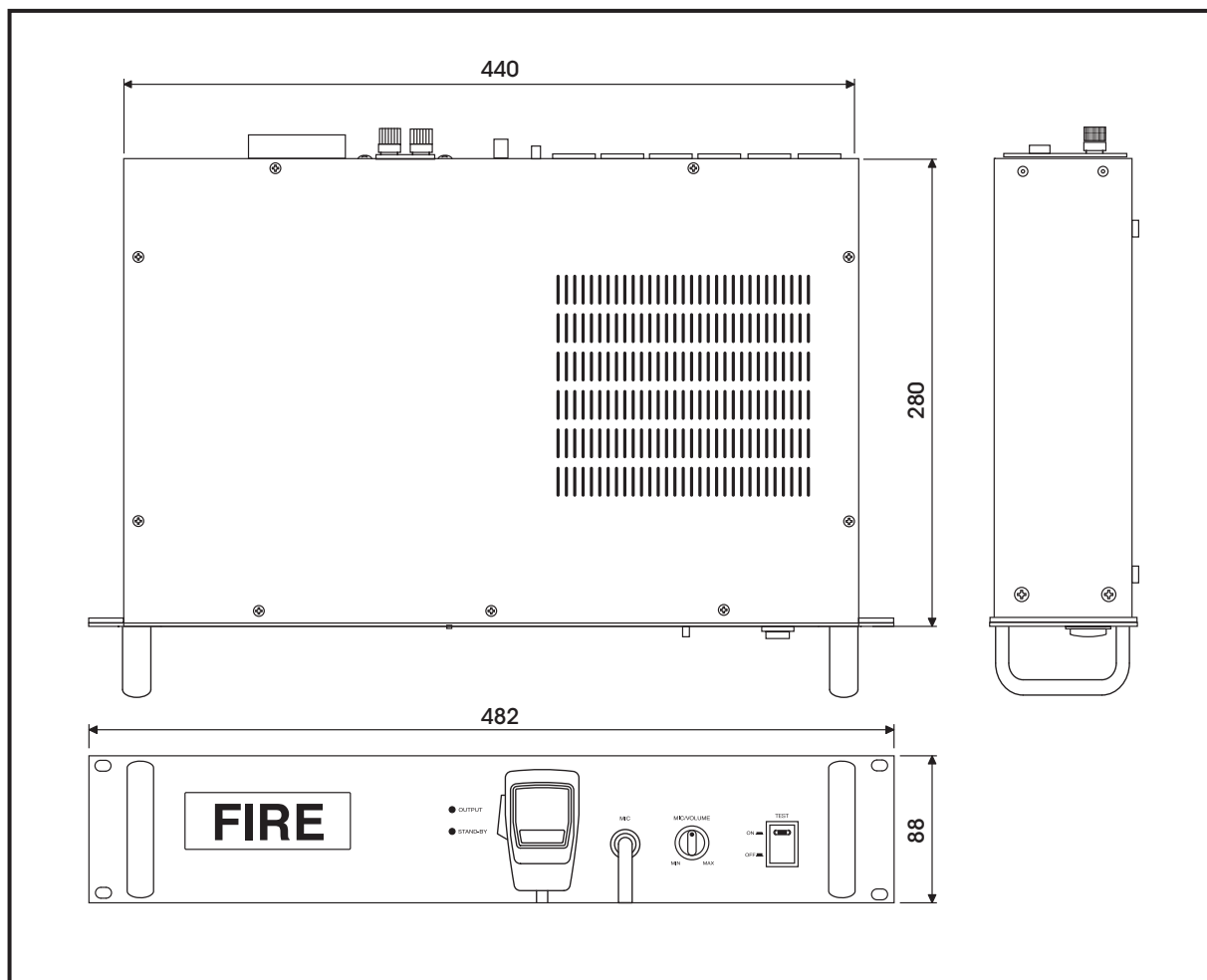


Specifications

	EP-6216
Operating Modes	Auto, Test
Emergency Siren Frequency	800Hz (Emergency)
Program Exchange Mode	Businessm, RM1, RM2, Timer
Operation Temperature	-10°C ~ +40°C / 14°F~104°F
Power Source	DC 24V
Power Consumption	4W
Weight (SET)	4kg/8.8lb
Dimensions (SET)	482(W)x88(H)x280(D)mm/19(W)x3.5(H)x11(D)in

* Design and specification are subject to be changed for the improvement of product quality without pre notice.

※ DIMENSIONS



Service

Procedures

Take steps to insure the problem is not related to operator error or other products within the system. Information provided in the troubleshooting portion of this manual may help with this process. Once it is certain that the problem is related to the product contact your warranty provider as described in the warranty section of this manual.

Schematic

A Schematic is available by contacting your warranty provider.

Parts List

A Parts List is available by contacting your warranty provider.

Warranty

Warranty terms and conditions vary by country and may not be the same for all products. Terms and conditions of warranty for a given product may be determined first by locating the appropriate country which the product was purchased in, then by locating the product type.

To obtain specific warranty information and available service locations contact Inter-M directly or the authorized Inter-M Distributor for your specific country or region.



Inter-M, Ltd. (Korea) began operations in 1983.

Since then, Inter-M has grown to become one of the largest manufacturers of professional audio and commercial sound electronics equipment in the world.

Inter-M has gained worldwide recognition for its own branded products, as well as private label manufacturing of electronics sold under other names (OEM).

The company is no longer just a Korean company, but rather a global company that is truly international in scope, with factories and offices in Korea and China, and sales and marketing operations located in Japan, Europe, and the U.S.A.

With more than 850 employees around the globe, Inter-M is well-poised for further growth and expansion.

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