

## Elevator Message Annunciator

### General Descriptions

The EM1448 is a message annunciator specifically designed for elevator applications. By monitoring the control signals from the elevator's controller, the EM1448 makes different announcements such as the floor number, the moving direction, opening/closing door, and certain warning/emergency messages. Some type of announcements may have higher priority than others. For example, emergency messages may have the highest priority among all announcements.

The EM1448 incorporates a VM1448-3 voice module and a terminal interface board in a rugged metal enclosure. Refer to VM1448's data sheets for more technical information. Hardware connections are made through industrial type terminal blocks located on the front panel of the enclosure.

The EM1448 can play up to 44 different messages. The first 8 messages are called "Priority Messages" and the rest are called "Regular Messages". Priority Messages have higher priority than Regular Messages. Priority Messages are low-level triggered, that means they will repeat if the trigger input is constantly at low level. Regular Messages are rising-edge triggered, so they only play once per trigger.

### Technical Specifications

#### Trigger Signal Definition

Priority Messages: level triggering, active low.

Regular Messages: rising edge triggering.

\* When not active, all trigger inputs should stay high.

#### Interface Connector

48-position industrial type terminal blocks on 5mm centers.

#### Output Power

Max. 2W, use a 4 ~ 8 Ohm speaker.

#### Supply Voltage

12VDC (standard) or 24VDC (optional)

#### Operating Temperature

-5°C ~ +50°C

#### Physical Dimensions

267mm x 172mm x 42mm

### Terminal Block Definitions

Counting from left to right:

#### A ~ H = Priority Message Trigger Input

These 8 messages are stored at locations #1 ~ #8 in U11.

#### 1 ~ 36 = Regular Message Trigger Input

Messages 1 ~ 2 are stored at locations #9 ~ #10 in U11.

Messages 3 ~ 12 are stored at locations #1 ~ #10 in U13.

Messages 13 ~ 22 are stored at locations #1 ~ #10 in U17.

Messages 23 ~ 32 are stored at locations #1 ~ #10 in U14.

Messages 33 ~ 36 are stored at locations #1 ~ #4 in U18

#### SP, SP = Speaker Output

Use a 4 ~ 8 Ohm speaker.

#### V+, 0V = Power Supply Input

12VDC (standard) or 24VDC (optional)