

## MAG6416 II 32-channel Fire Connection Module



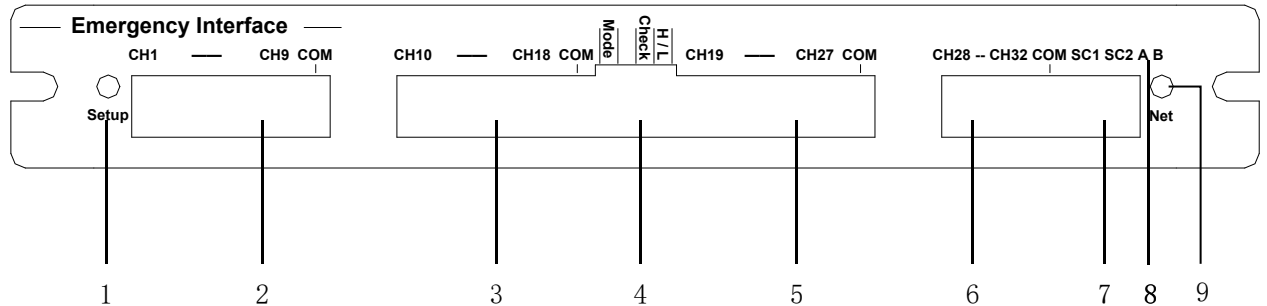
### *Features*

- This module is the interface between network PA system and fire center.;
- When receiving the alarm signal sent by the fire center, it will activate the DSPPA network PA system corresponding working area automatically and enter the override status of the emergency broadcasting;
- Each machine has 32 fire trigger channels, and each channel alarm zone can be any combination through the host setting;
- Each alarm channel includes routing fault detection function, and can troubleshooting system line automatically;
- The same system can have multiple machines connected to the network, and can extend control area at random.

### *Description*

MAG6416II 32-channel fire connection module is the interface between network PA system and fire center. When receiving the alarm signal sent by the fire center, it will activate the DSPPA network PA system corresponding working area automatically and enter the override status of the emergency broadcasting. Each machine has 32 fire trigger channels, and each channel alarm zone can be any combination through the host setting. Each alarm channel includes routing fault detection function, and can troubleshooting system line automatically. The same system can have multiple machines connected to the network, and can extend control area at random.

## Appearance



### 1.Setup indicator

When the parameters of this module cannot be found, (such as IP is not clear) press the Mode button. The indicator will light, and the machine parameters restore the following specific parameters:

IP: 192.168.16.2 GATE: 192.168.16.1 Mask Code: 255.255.255.0

Main server IP: 192.168.16.250 Standby server IP: 192.168.16.251

### 2.Alarm signal input interface

CH1-CH9, 1 channel to 9 channel for alarm signal input interface, COM for common terminal

### 3.Alarm signal input interface

CH10-CH18, 10 channel to 18 channel for alarm signal input interface, COM for common terminal

### 4.Dip switch

Mode: When the parameters of this module cannot be found, (such as IP is not clear) press the Mode button. The indicator will light, and the machine parameters restore the following specific parameters:

IP: 192.168.16.2 GATE: 192.168.16.1 Mask Code: 255.255.255.0

Main server IP: 192.168.16.250 Standby server IP: 192.168.16.251

After setting, dial *mode* to restore the previous configuration.

Note: In the same network only one machine of the same type can be set *mode*, otherwise it will have IP conflict.

**Check:** Line detection enable to switch. The machine has a 32-channel line fault detection function, dial the switch to open the line detection (channel independent switch setting refer to the fourth section "fire channel line detection function configuration"). If you want to use line detection, the channel which needed to open the line detection need to need to configure the 47K pull-down resistor box.

Note: When the module issued a drop of sound is relatively long, indicating that the external line is not connected, when the issue of the sound is more rapid, indicating that is the alarm sound.

H / L: When the input logic setting switch is set to H, it is the level trigger mode; when the setting switch is set to L, it is short-circuit trigger mode.

#### **5.Alarm signal input interface**

CH19-CH27, 19-channel to 27-channel alarm signal input interface, COM is common.

#### **6.Alarm signal input interface**

CH28-CH32, 28-channel to 32-channel alarm signal input interface, COM is common.

#### **7.SC1、 SC2 short circuit output**

As long as there is an alarm signal input (any one or more), SC1, SC2 short circuit output.

#### **8.485 communication interface**

A, B for the RS485 communication interface. It can be used to communicate with other third party systems to implement alarm triggers (using this function has to contact our technical staff).

485 protocol format:

Frame header + source address + destination address + frame number + length + function code + data + check code

The header is FE FC

Source address, destination address, frame number, function code for 1 byte, length, check code for 2 bytes, higher one is in front and the length does not contain the header

The generator polynomial of the CRC check is:  $X^{16} + X^{15} + X^2 + 1$

The address of this alarm module is: 0xFE

Function code meaning:

0x66 set all zones alarm, followed by 32 bytes of data, data 0 indicating that the alarm revoked, 1 for alarm

0x67 set a single zone alarm, followed by a byte channel number and a byte of state data, channel number 0-31 for 1-32 channel, the alarm state values are the same as above.

#### **9.Network indicator**

When the module drops the indicator lights blue; when the module is connected successfully via the network,the indicator lights red.