## SIGNAL AND SPEAKER SILENCE MODULE          SIGSM-100



### Features

- Silences a local fire alarm signal, such as a bell, horn or speaker (25V and 70V) within a suite
- "Silence" push button and red LED to indicate "active signal circuit"
- Applications for fully supervised or non-supervised bells, horns and speakers
- Polarized inputs for compatibility with standard reverse polarity supervision of circuit wiring by an alarm panel
- Flush or surface mounting options
- Available in an off-white finish

### Description

Mircom's SIGSM-100 Signal and Speaker Silence Module is  a compact electronic alarm appliance that is ideal for alarm signalling in individual rooms, apartments, hotels and offices where attractive appearance and dependable performance are prime concerns. The SIGSM-100 is used to silence a local alarm signal, such as a bell, horn or speaker (25V and 70V) within a suite.  There are several applications for fully supervised or non-supervised bells, horns and speakers.

The SIGSM-100 Signal and Speaker Silence Module is equipped with a "Silence" push button and a red LED to indicate "active signal circuit" when lit.  The push button allows the user to silence the local signals within the suite for a maximum of 10 minutes upon which the local signals will sound again until the signal circuit is inactive or the SIGSM-100 silence button is pressed again or the fire alarm panel is reset.  Upon the fire alarm being reset, it takes approximately 45-60 seconds for the SIGSM-100 to reset.  Silence of the controlled device(s) will not affect the other devices on the signalling circuits.

The SIGSM-100 is designed for easy installation with colour coded wire leads for fast connection. The front faceplate is ruggedly constructed of high impact thermoplastic and is  available in an off-white to blend with any room decor.

The SIGSM-100 is compatible with the CSIS-202 and CNSIS-204 Conventional Signal Isolator Modules. Please refer to Cat. Sheet #5223 and #5224.

*Note:* When using a QX-5000 Zoned Audio System, a QRM-1001 Bell Cut Module must be used to silence the bell circuit for paging.

### Installation Instructions

Mounts in a standard 4" square electrical box complete with a single gang plaster ring supplied by others.
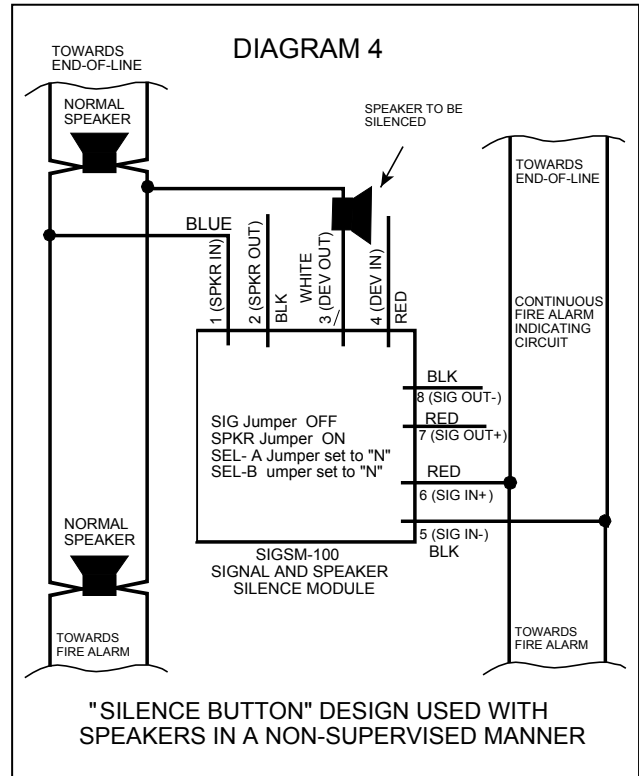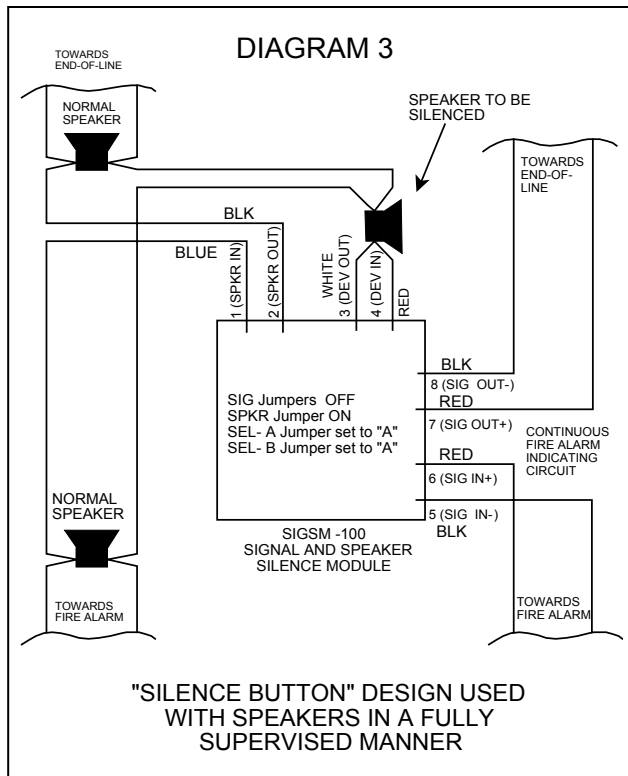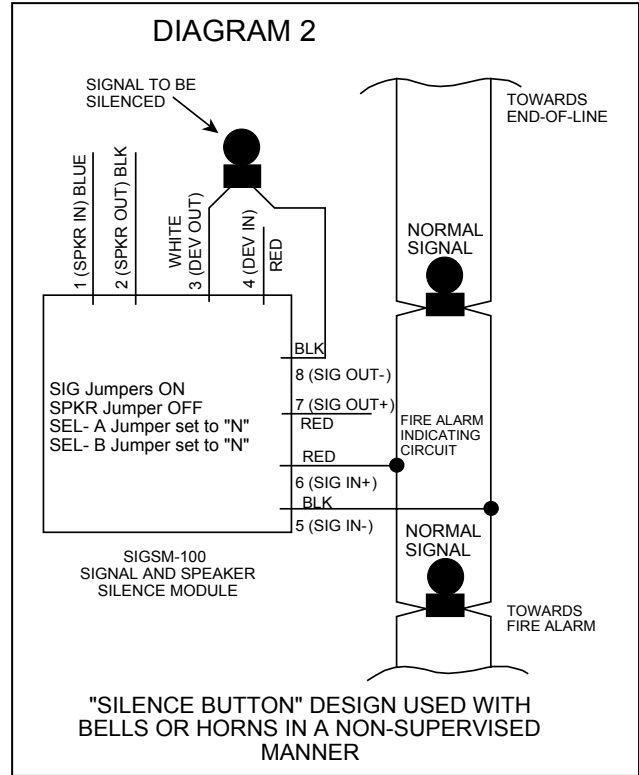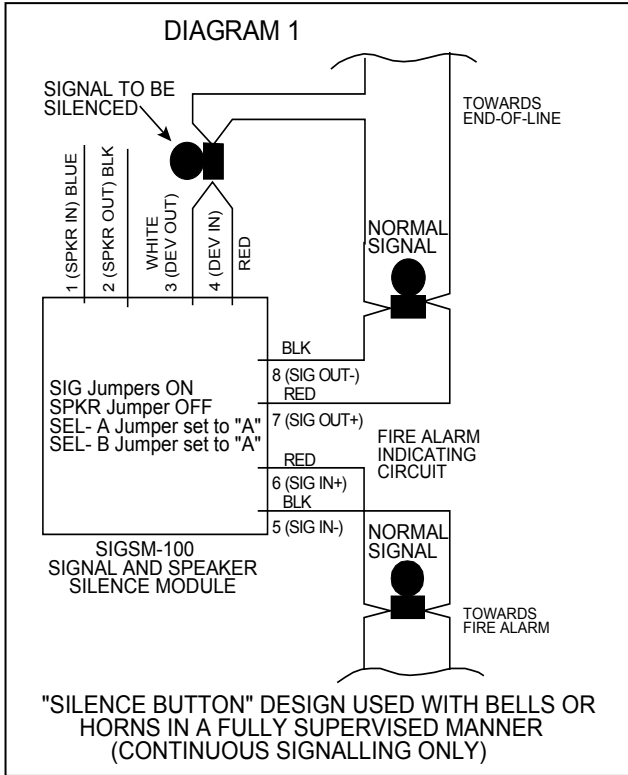
### Specifications
*Dimensions:* 4.49' (114mm) H x 2.73' (69.2mm) W
*Current Draw:* 30 mA @ 24 VDC

ULC
S5375

**CATALOG NUMBER 5209**

# Typical Wiring Diagrams

## DIAGRAM 1

SIGNAL TO BE SILENCED

TOWARDS END-OF-LINE

NORMAL SIGNAL

1 (SPKR IN) BLUE
2 (SPKR OUT) BLK
WHITE 3 (DEV OUT)
4 (DEV IN) RED

BLK
8 (SIG OUT-)
RED
7 (SIG OUT+)

SIG Jumpers ON
SPKR Jumper OFF
SEL- A Jumper set to "A"
SEL- B Jumper set to "A"

FIRE ALARM INDICATING CIRCUIT

RED
6 (SIG IN+)
BLK
5 (SIG IN-)

NORMAL SIGNAL

TOWARDS FIRE ALARM

SIGSM-100 SIGNAL AND SPEAKER SILENCE MODULE

**"SILENCE BUTTON" DESIGN USED WITH BELLS OR HORNS IN A FULLY SUPERVISED MANNER (CONTINUOUS SIGNALLING ONLY)**

## DIAGRAM 2

SIGNAL TO BE SILENCED

TOWARDS END-OF-LINE

NORMAL SIGNAL

1 (SPKR IN) BLUE
2 (SPKR OUT) BLK
WHITE 3 (DEV OUT)
4 (DEV IN) RED

BLK
8 (SIG OUT-)
7 (SIG OUT+)
RED
RED

SIG Jumpers ON
SPKR Jumper OFF
SEL- A Jumper set to "N"
SEL- B Jumper set to "N"

FIRE ALARM INDICATING CIRCUIT

6 (SIG IN+)
BLK
5 (SIG IN-)

NORMAL SIGNAL

TOWARDS FIRE ALARM

SIGSM-100 SIGNAL AND SPEAKER SILENCE MODULE

**"SILENCE BUTTON" DESIGN USED WITH BELLS OR HORNS IN A NON-SUPERVISED MANNER**

## DIAGRAM 3

TOWARDS END-OF-LINE

NORMAL SPEAKER

SPEAKER TO BE SILENCED

TOWARDS END-OF-LINE

BLK

BLUE

1 (SPKR IN)
2 (SPKR OUT)
WHITE 3 (DEV OUT)
4 (DEV IN) RED

BLK
8 (SIG OUT-)
RED
7 (SIG OUT+)

SIG Jumpers OFF
SPKR Jumper ON
SEL- A Jumper set to "A"
SEL- B Jumper set to "A"

CONTINUOUS FIRE ALARM INDICATING CIRCUIT

RED
6 (SIG IN+)
5 (SIG IN-)
BLK

NORMAL SPEAKER

TOWARDS FIRE ALARM

TOWARDS FIRE ALARM

SIGSM -100 SIGNAL AND SPEAKER SILENCE MODULE

**"SILENCE BUTTON" DESIGN USED WITH SPEAKERS IN A FULLY SUPERVISED MANNER**

## DIAGRAM 4

TOWARDS END-OF-LINE

NORMAL SPEAKER

SPEAKER TO BE SILENCED

TOWARDS END-OF-LINE

BLUE

1 (SPKR IN)
2 (SPKR OUT)
BLK
WHITE 3 (DEV OUT)
4 (DEV IN) RED

CONTINUOUS FIRE ALARM INDICATING CIRCUIT

BLK
8 (SIG OUT-)
RED
7 (SIG OUT+)

SIG Jumper OFF
SPKR Jumper ON
SEL- A Jumper set to "N"
SEL-B umper set to "N"

RED
6 (SIG IN+)
5 (SIG IN-)
BLK

NORMAL SPEAKER

TOWARDS FIRE ALARM

TOWARDS FIRE ALARM

SIGSM-100 SIGNAL AND SPEAKER SILENCE MODULE

**"SILENCE BUTTON" DESIGN USED WITH SPEAKERS IN A NON-SUPERVISED MANNER**

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**NOT TO BE USED FOR INSTALLATION PURPOSES.**

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