SAFEPATH facility communication system for paging and background music

Description

Eaton's SAFEPATH (SP40S) is a multifunction supervised paging, messaging, background music delivery and emergency communications system with 24 VDC battery backup. The SP40S provides full control of building audible and visual notification appliances. This single channel system is capable of delivering 40 watts of supervised high fidelity audio power and 2 amps of supervised 24 VDC synchronized strobe power. It comes standard with an on-board digital voice messaging system with 8 standard messages, a hand-held microphone, power supply/battery charger and numerous additional features.

The SAFEPATH system is expandable to 5280 watts utilizing the SPB-80/4 (80 watts and 4 amps of strobe power), the SPB-160 (160 watts) or SPB-320(320 watts) supervised audio power boosters.

Features

General Paging

- Easily interfaces with most existing phone system page port, CO port and line level signals

- Automatically mutes BGM

- Frequency Response 275–6.5 KHz

- Night ringer or security alert connection

Background Music

- Capable of broadcasting from a supplied background music (BGM) source

- Unique supervision method allows for full system supervision even during background music

- Line Level input for music source

- Frequency Response 100 Hz–15 KHz

Voice Evacuation

- Complies to NFPA-72 requirements

- Supervised NAC speaker and strobe circuits

- Live microphone override

- 8 digitally pre-recorded voice messages

- Uses selectable pre-tones for messages

Speaker Output

- 40 watts of supervised audio power

- Speaker outputs: 25V or 70.7V power limited

Audio Processing

- Volume and tone controls for general paging and BGM

- Connectivity of optional speaker splitter modules

- Dual-tone tone generator with Code 3 Tone and Slow Whoop for alerting of system trouble

- Night ringer/security alerting

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SAFEPATH paging & background music system
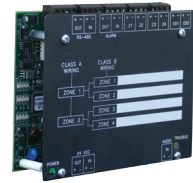

SP40S-B   S8-70/25   SP4-TZC   SP-SVC   SP4-APS

Components

Eaton's SAFEPATH paging and background music system can include the following components:

- SP40S-B- Communications System
- SP4-TZC-Telephone zone controller
- SP4-APS- Addressable paging splitter
- SP-SVC- Supervised volume control
- S8-70/25- Wheelock series 8" speaker

Additional accessories such as audio boosters are also available.

Descriptions

SP4-TZC

- Connects to the SP40S
- Auto programmable
- Custom user programmable
- All call or selected zone(s) telephone paging
- Background music (BGM) zone(s) selectable
- Telephone input and background music (BGM) input

SP4-APS

- Addressable speaker zone splitter
- Mounts inside the SP40S
- Handles 40 watts of supervised audio per zone
- UL Standard 864, 9th edition listed

SP-SVC

- Supervised volume control for use with UL Listed Life
- Safety Applications
- Can handle up to 35 watts of 70.7 volt audio power input
- Adjustment settings: 0–10, in 3dB increments

S8-70/25

Wheelock 8" speakers are designed for high efficiency sound output, with dual voltage (25/70 VRMS) capability and field selectable taps from 1/8 to 8 watts.

Series 8 Speakers provide high audio output with clear audibility and are designed to meet the critical needs of the life safety industry for effective emergency voice communications, tone signaling and visible signaling to alert the hearing impaired.

Approvals & Compliance

Appovals: UL Standard 864, UL Standard 1711, California State Fire Marshal (CSFM), New York City (MEA), FCC Part 15

OSHA 1910.165 compliant for employee alerting. SAFEPATH systems do not require reliability inspections every two months or the required spare parts inventory, saving building owners costly inspection fees

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