

SAFEPATH

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In-building mass notification system



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In-building, multi-function, supervised emergency communications, paging, messaging and background music system

SAFEPATH (SP40S) is an indoor, supervised emergency communications system with 24 VDC battery backup. The multi-function system also provides paging, messaging, and background music for your facility. It can be used stand-alone or in combination with a fire alarm system, supplementing or replacing bells, horns, or similar appliances used to sound the evacuation signal when an alarm is initiated. SAFEPATH provides live voice and pre-recorded, localized messaging to help direct people to safety.

The SP40S integrates with fire alarm systems and 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.

When combined with audio boosters and Wheelock speakers (Eluxa, Exceder LED3, and EH series), the SP40S also meets NFPA 72 low frequency tone requirements for sleeping areas.

SAFEPATH 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. All models are available in 115 VAC or 220 VAC.

Features

- Approvals & Compliance: UL 864, UL 1711, UL 2017 (code 4), UL 864 (code 3), and the low frequency requirements of UL 464 (520 Hz); California State Fire Marshal (CSFM); New York City (MEA); FCC Part 15; ADA compliant
- OSHA 1910.165 compliant; System does not require reliability inspections every two months or required spare parts inventory, saving the building owner costly inspection fees
- Multi-function system: voice evacuation, mass notification, general paging per NFPA 72, supervised background music capabilities, noise masking, and low frequency tone requirements for sleeping room applications
- Fully supervised: 2 amps of supervised 24 VDC strobe power per circuit; Supervised NAC and audio circuits; On-board diagnostics & trouble reporting circuits
- Messaging: Built in tones, standard messages for different announcements, custom messages available

SAFEPATH alerts employees in all types of emergencies in various occupancies, including corporate campuses, educational facilities, industrial plants, warehouses, retail stores, and healthcare facilities.

Voice evacuation

- 8 digitally pre-recorded voice messages
- Live microphone override
- Selectable pre-tones for messages
- Supervised NAC speaker and strobe circuits

Paging

- Easily interfaces with most existing phone system page port
- 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

Strobe inputs and activation

- 2 Amps of 24 VDC supervised strobe power with built-in Wheelock sync protocol. Power limited.

- Strobe output is selectable for control of Wheelock sync protocol or non-sync operation
- Strobe terminals have pass-through capability for Wheelock sync or non-sync operation
- Any of the 8 messages can be dip switch selected to activate strobes
- Microphone activation can be dip switch selected to activate strobes
- Auxiliary activation (remote microphone) can be dip switch selected to activate strobes
- 24 VDC supervised and synchronized strobe power can be expanded to meet the requirements of the installation via connecting to optional Wheelock power boosters

Speaker output

- 40 watts of supervised audio power
- Speaker outputs: 25V or 70.7V power limited

Power supply and batteries

- 24 VDC, 33AH max rechargeable battery back-up power circuitry
- Batteries can be housed in the enclosure. Up to two BAT-1212, 12 volt, 12 ampere hour batteries can fit in the enclosure. Actual battery size required will depend on speaker and/or strobe load. (Batteries are sold separately.)

Expansion options and accessories



Audio Boosters

Designed to provide additional supervised audio power for live voice, pre-recorded messages or background music (BGM)

- SPB-160: 160 Watt Supervised Audio Power Booster (two 80 watt circuits)
- SPB-80/4: 80 Watt Supervised Audio Power Booster with 4 amps of Supervised and Synchronized 24 VDC Strobe Power (two 2 amp circuits)
- SPB-320: 320 watt Supervised Audio Power Booster (four 80 watt circuits)



Speaker Splitters

Supervised Speaker Audio Splitter (SP4Z-A/B)

- Provides for expansion of one zone to up to 2 zones of supervised speaker audio output in Class A
- Provides for expansion of one zone to up to 4 zones of supervised speaker audio output in Class B



Volume Control

Supervised volume control (SP-SVC)

- Supervised volume control for use with UL Listed Life Safety Applications
- Up to 35 watts of 70.7 volt audio power input



Remote Microphones & Telephone Paging

- SPRM Remote Microphone for use with SP40S
- SPRM-GP General Paging Microphone for use with SPB-80/4, SPB-160 and SPB-320
- SP4-RMX Remote Microphone for use with SP40S Expansion Module
- SP4-APS Addressable Telephone Zone Paging Speaker Splitter
- SP4-TZC Addressable Telephone Zone Paging Controller

Expansion options and accessories



Power Supply

The Wheelock POWERPATH (PS-8-LP) is a supervised remote power supply/battery charger in a low profile cabinet that is used for supervision and expanded power driving capability of fire alarm Notification Appliance Circuits (NAC). The PS-8-LP is filtered and regulated and provides 8 amps of power distributed across 4 outputs. From installation to maintenance, the incorporated advanced features allow you to save equipment and labor costs.



Manual Pull Station

Wheelock MPS non-coded Manual Pull Stations are constructed of high quality, die-cast metal for long lasting performance and may be mounted on a single gang backbox. Available in either single or dual action configurations for indoor or outdoor use with SPST contacts and terminal strip connections. The normally open contact will close when the pull station is activated and is rated for 30 VDC @ 1 amp and/ or 120 VAC @ 1 amp. The contacts are gold plated to avoid the risk of corrosion.



Push Stations

Multi-purpose push stations (NPS) for manual activation of SAFEPATH systems are available in Blue, Green, Red, White and Yellow. Custom wording is available (e.g. Severe Weather, Medical Alert, Power Shut Down, Gas Release) for the Push Stations. For a complete list of the wording available for printing on the push stations, please refer to the NPS specification sheet.

Model numbers and additional information can be found on Eaton's product specification sheets.

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