

## SP4-LOC Remote Microphone and Local Operator Console



### **Description:**

The SP4-LOC Remote Microphone and Local Operator Console is designed for indoor use with the SafePath4 SP40/2 and the SP40S panels for mass notification applications.

The SP4-LOC contains the SafePath4 SPRM Remote Microphone module and eight black push on/push off buttons which provide a contact closure used to activate the SP40/2 or SP40S digital messages in the ON position. The buttons change color from black in the OFF position to green in the ON position. A message name plate holder is located above the pushbuttons.

An optional HVAC Emergency Shutoff red, mushroom type cutoff pushbutton and labeling is available as a separate kit.

The Remote Microphone module (SPRM) incorporates a Push-To-Talk (PTT) microphone and system status LED indicators. The SPRM provides a microphone override for any tone generation, digitak voice module prerecorded message, background music, or telephone paging. It is equipped with a keyed lock that, when activated, allows the use of the module. The SPRM is fully supervised from the SP40/2 or the SP40S panel and contains front panel LEDs for remote indications of System Normal, System Trouble, and Alarm conditions. Voice frequency response shall be 275 Hz-6.5 kHz +/- 2.4 dB. Power requirements shall be 24VDC and will be supplied by the SP40/2 or SP40S. Input current for standby mode shall be 26mA and 38mA in the alarm mode. Shielded 6-wire cable shall be used. Approvals for the system shall include; UL Standard 864, UL Standard 1711, FCC Part 15, and CSFM. The panel shall be OSHA 1910.165 and ADA compliant.

The SP4-LOC is available in two models. The flush mount model has a 1/2 inch skirt around the door section, while the surface mount model door section is flush with the back box. Both models use the same white 4 inch deep backbox with a single 1/2 inch/ 3/4 inch double knockout on the back center, and top and bottom of the backbox.

The flush mount door section has exterior dimensions of 15-1/2 inches wide and 16-1/4 inches high. The surface mount model has dimensions of 14-1/2 inches wide, 15-1/2 inches high and 4 inches deep. Both models have a pull slam latch to open the continuous hinged door. Both models are available in white.

The SP4-LOC can be installed up to 2,000 feet from the SP40/2 or SP40S panel using 14-18 AWG wiring. Shielded wire is only required for the 1Vrms output from the SPRM.

### **Features:**

- All message wiring is pre-wired to a terminal block
- Internal terminal block accepts up to 16 AWG wiring for filed wiring
- Built-in SPRM requires 24VDC, supplied by the SP40/2 or SP40S
- SPRM Input current: Standby: 26mA Alarm: 38mA
- All output circuitry is Power Limited
- SP4 LOC is available in flush and surface models
- Backbox for both models are identical with knockout mounting holes in the sides and back
- Backbox contains three (3) double knockouts for 1/2" or 3/4" conduit fittings. Knockouts are located in the center top and bottom and one in the center top back
- Optional HVAC Emergency Shutoff mushroom pushbutton kit
- Can be mounted up to 2,000 feet away from the SP40/2 or SP40S
- Remote microphone usage disengages background music and general paging
- Eight (8) push on/push off pushbuttons that provide a contact closure in the ON position. Pushbuttons are black in the OFF position and green in the ON position.

## ARCHITECTS AND ENGINEERS SPECIFICATIONS

The Remote Microphone and Local Operator Console shall be the SafePath4 SP4 –LOC for use with a Facility Communications System using the SafePath4 SP40/2 and the SP40S panels. It shall contain the SafePath4 SPRM Remote Microphone Module and eight black Push On /Push Off buttons which provide a contact closure. The pushbuttons shall change color from black in the OFF position to green in the ON position. A message name plate holder shall be located above the pushbuttons. An optional red mushroom type, cutoff pushbutton and nameplate shall be available for HVAC emergency shutoff.

### Built-In Remote Microphone (SPRM)

The SPRM shall be a supervised hand held push to talk microphone and a key shall be required to enable remote microphone use. (Same key as SP40/2) Removable wiring terminals for quick connect /disconnect accepting 12 – 22 AWG shall be incorporated. All output circuitry shall be power limited. Individual front panel LED's shall be provided for indication of System Normal, System Trouble and Alarm. Multiple on board diagnostic LED's shall be provided. When used with the SP40/2, the priority level shall be number two. Remote microphone usage shall disengage background music and general paging.

Voice frequency response shall be 275 Hz - 6.5 kHz +/- 2.4 dB. Power requirements shall be 24VDC and will be supplied by the SP40/2. Input current for Standby shall be 26mA and for Alarm 38mA.

Audio output level shall be 1.05V RMA. There shall be a 6-wire connection to the SP40/2. The mounting plate shall be red and measure, 8 3/4" x 5 1/4", and shall fit into a 4 gang back box.

The SP4-LOC shall be available in two models. The flush mount model shall have a 1/2 inch skirt around the door section, while the surface mount model door section shall be flush with the back box. Both models use the same white 4 inch deep backbox with a single 1/2 inch/ 3/4 inch double knockout on the back center, and top and bottom of the backbox.

The flush mount door section has exterior dimensions of 15-1/2 inches wide and 16-1/4 inches high. The surface mount model has dimensions of 14-1/2 inches wide, 15-1/2 inches high and 4 inches deep. Both models have a pull slam latch to open the continuous hinged door. Both models are available in white.

An optional HVAC Emergency Shutoff red, mushroom type cutoff pushbutton and labeling shall be available as a separate kit.

The SP4-LOC shall be capable of being installed up to 2,000 feet from the SP40/2 or SP40S panel using 14-18 AWG wiring. Shielded wire is only required for the 1Vrms output from the SPRM.

## SPECIFICATION & ORDERING INFORMATION

Model Number	Order Code	Nomenclature
SP4-LOC-SB	4120	Surface Mount Local Operator Console
SP4-LOC-FB	4121	Flush Mount Local Operator Console
SP4-LOC-KIT	4122	HVAC Emergency Shutoff Switch Kit

SP4-LOC shown with optional HVAC Emergency shutoff switch



**NOTE:** Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Wheelock Inc. standard terms and conditions.



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