

*Thank you for using our products.*

**INSTALLATION INSTRUCTIONS  
 SPRM REMOTE MICROPHONE FOR USE WITH SP40S**

*Use this product according to this instruction manual. Please keep this instruction manual for future reference.*

**MODEL NUMBER:**

SPRM	108996
SPRM-B	109932

**GENERAL:**

The Remote Microphone is UL Listed under Standard 864, Control Units for Fire-Protective Signaling Systems. **They are Listed for indoor use only.** The Remote Microphone is designed to be used with Wheelock's *SP40S SAFEPATH* Panel. It provides a means for making emergency voice announcements from an auxiliary location. Only 1 Remote Microphone can be connected to the *SP40S* Panel. The hand held push-to-talk microphone is supervised to ensure proper connection. It is not repairable. If it is detached from the unit, the unit must be returned for repair.

**NOTE:** All **CAUTIONS** and **WARNINGS** are identified by the symbol . All warnings are printed in bold capital letters.

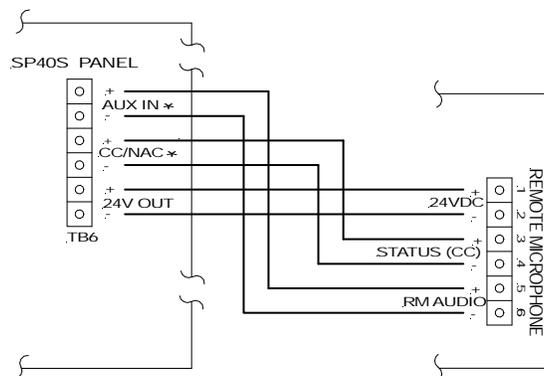
**⚠ WARNING: PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE USING THIS PRODUCT. FAILURE TO COMPLY WITH ANY OF THE FOLLOWING INSTRUCTIONS, CAUTIONS AND WARNINGS COULD RESULT IN IMPROPER APPLICATION, INSTALLATION AND/OR OPERATION OF THESE PRODUCTS IN AN EMERGENCY SITUATION, WHICH COULD RESULT IN PROPERTY DAMAGE AND SERIOUS INJURY OR DEATH TO YOU AND/OR OTHERS.**

**SPECIFICATIONS:**

Power Input Voltage:	24VDC
Audio Output Level:	1.05V RMS
Output Impedance:	600 Ohms
Min. Ground Fault:	20k Ohms
Input Current:	Standby: 23mA
	Alarm: 30mA

**WIRING DIAGRAM:**

Figure 1 shows the proper wiring connections for connecting the *SPRM* to the *SP40S*.



**Figure 1:**

**\* This wiring is power limited.**

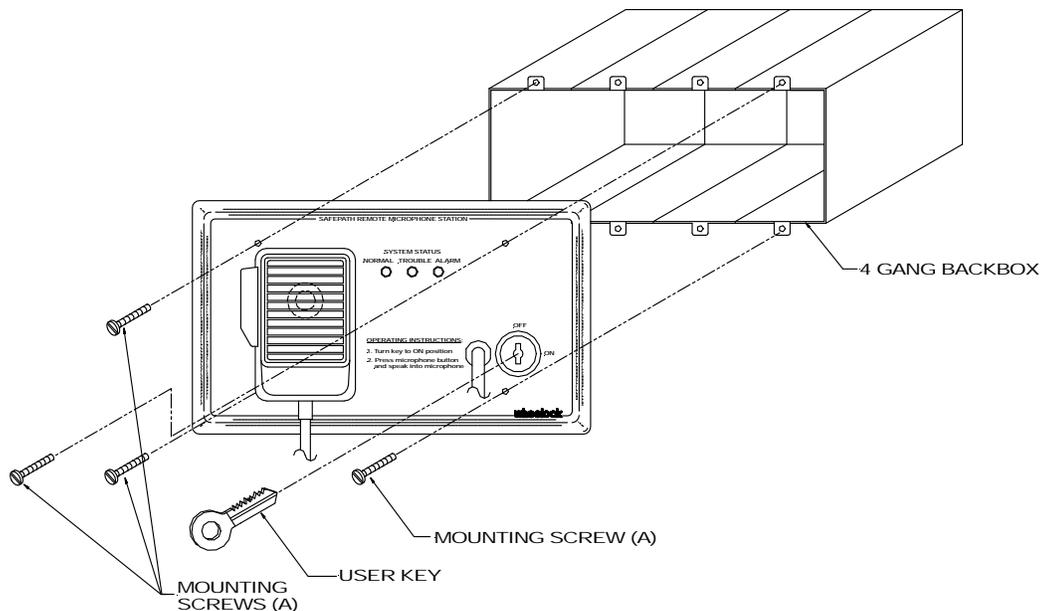
**NOTE: All wiring is supervised unless otherwise noted.**

**WIRING SPECIFICATIONS:**

Cable Size:	14-18 American Wire Gauge (AWG) Shielded. The shield must be connected only at the <i>SP40S</i> Panel.
Maximum Length:	2000 Feet
Maximum Capacitance:	0.1uF/Total Run (50pF/foot for 1000 FT.)

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## MOUNTING INSTRUCTIONS:

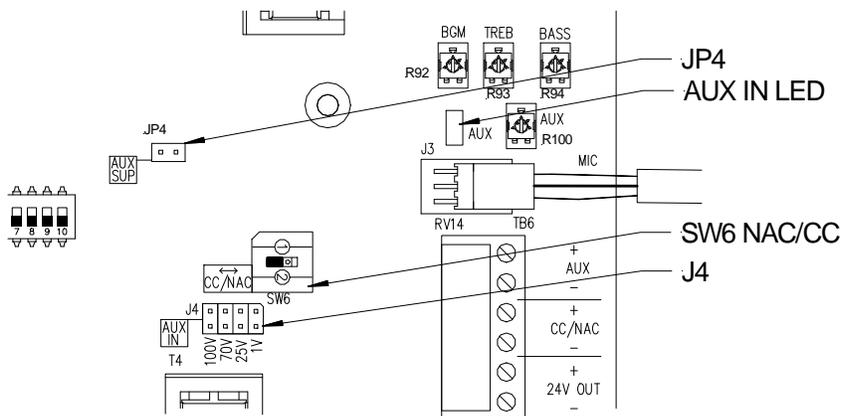


**Figure 2:**

Figure 2 shows the proper mounting requirements for the *SPRM*.

1. Install a 4" gang backbox (either flush or surface) to the desired location. Be sure that the mounting box is level.
2. Attach the 6 wires as shown in the wiring diagram (Figure 1). Be sure to use the specified wire.
3. Attach the mounting plate to the box with the 4 screws as shown in Figure 2.

## OPERATING INSTRUCTIONS:

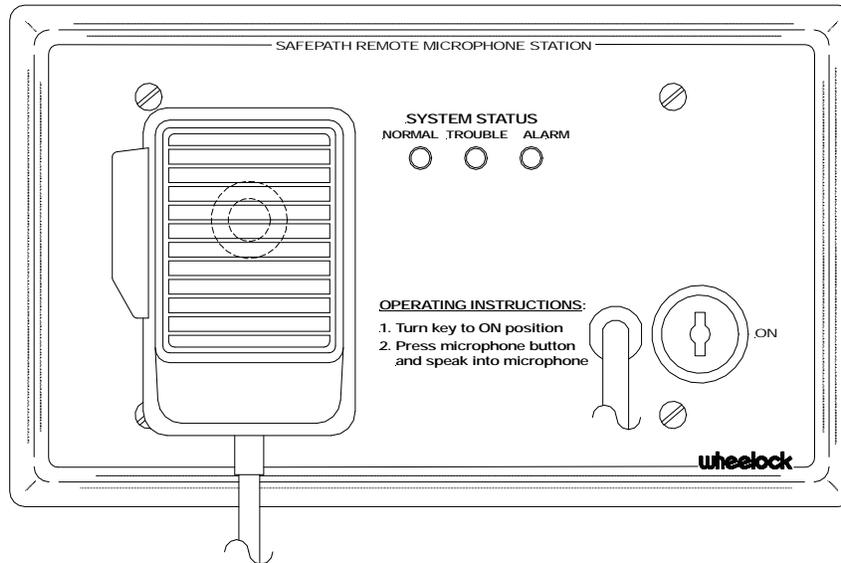


**Figure 3:**

Figure 3 shows the locations of the switches and LED's on the SP40S that require operation during operation and troubleshooting.

1. Set switch **SW6** (NAC/CC) to the CC position.
2. Set the jumper on **J4** to the 1V position.
3. Remove the jumper on **JP4**.
4. Insert key and turned to the ON position for the controls to function. (The key is removable only in the OFF position.)

**⚠ WARNING: IF JP4 JUMPER IS NOT REMOVED THE SP40S WILL NOT BE ABLE TO DETECT ANY REMOTE MIC TROUBLE.**



**Figure 4:**

Figure 4 shows the SPRM front panel and the location of the LED's.

**NOTE:** The green and yellow LED's reflect the system's condition regardless of the key position. The green LED indicates there are no faults in the *SPRM*. The yellow LED indicates a trouble condition has occurred in the *SPRM*. The red LED indicates the *SPRM* is ready to transmit the live voice of the operator.

1. With the mouth one to two inches from the microphone, press the microphone push-to-talk button and speak into the microphone and deliver the live audible announcement.

#### **TROUBLE SHOOTING:**

The yellow "TROUBLE" LED illuminates when there is a problem with the wiring between the *SP40S*.

The wiring problems that can occur can be improper wiring (reversed) on the Audio connections and/or CC connections. This will also provide a trouble condition on the *SP40S* panel with the system TROUBLE LED illuminated and the "AUX IN" (Auxiliary Input) LED ON. (The *SP40S* internal sounder will also sound.) If checking and/or correcting problems do not correct the trouble, then the *SPRM* should be replaced.

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