ETSInc. MKS-PKSG Microphone Kill Switch Instructions

The MKS-PKSG is a device designed to mute an ETS SM1 series microphone. It can store up to 126 8 button press pattern codes. It is typically used for privacy and confidentiality purposes. Applications include interview rooms, Interrogation rooms, hospital rooms and patient exam rooms. The MKS-PKSG is placed in-line with an ETS microphone and interface device or IP camera audio input. When the microphone enabled,

Mounting
The MKS-PKSG is designed to be mounted on a single gang electrical box.

Cable connections
Run 22 gauge 2 conductor shielded between the SM1 series microphone and MKS-RPS. Run another cable of the same type between the MKS-PKSG and the ETS interface box. Both cables combined length should not exceed 1000'. If not using an ETS interface note that power and audio have a common connection to the COM terminal. See figure below.

LED microphone mute indicators
The green LED on the MKS-PKSG lights when the microphone is enabled and the red LED lights when the microphone is disabled.

Entering codes
You have 3 tries to enter a valid 8 button press code before the MKS-PKSG locks you out from further tries for 60 seconds. The MKS-PKSG green and red LEDs will flash back and forth in lock out mode. You have 3 seconds between digits to enter the next digit. If during code entry you miss a digit (delay between presses exceeded 3 seconds) you will hear a long beep. You must then re-enter all 8 digits.

Programming codes
Up to 126 8 button press patterns can be stored in the MKS-PKSG. Adding codes to the MKS-PKSG can be done one of two ways. Method 1: Momentarily press the '1S CARD /10S ERASE' button on the board on the back of the unit, Enter a new pattern of 8 key presses. If the code was accepted, the MKS-PKSG will beep twice. To enter additional codes, repeat this process.

The second method of adding codes is to enter an existing valid code into the keypad, then if the MKS-PKSG is in the momentary relay mode, wait for the green light to go out, and you have 5 seconds to add the new pattern of 8 key presses. if the relay is set for toggle mode, you have 5 seconds to enter a new pattern of 8 key presses immediately after the LEDs change states (relay activates). If the code was accepted, the MKS-PKSG will beep twice.
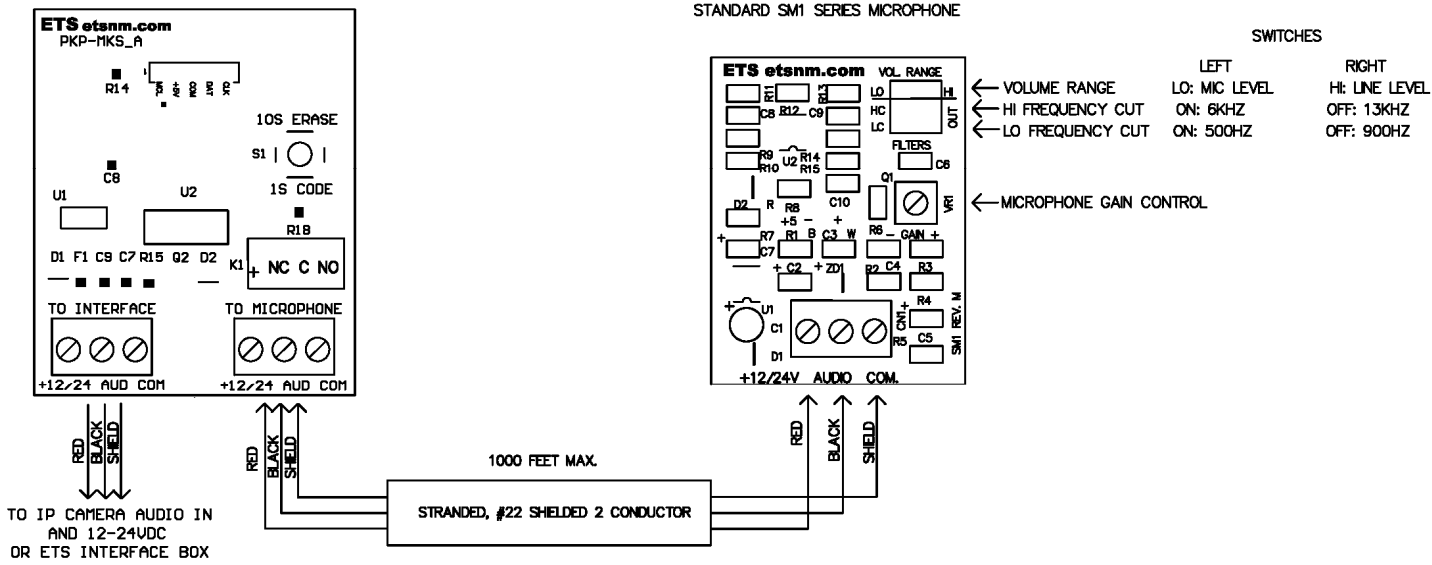
Note-
The harder it is for you to memorize the pattern, the harder it will be for someone to guess your pattern or watch and memorize your pattern. We suggest a non symmetrical and complex pattern and remember the 8 presses as two 4 pattern presses. It also helps to mentally number the keys as shown below. It's highly recommended to write the code down somewhere or put it in your phone notes.

1	2
3	4

Examples of more secure patterns are: 1331 2413,   3214 2114,   2241 3312
Examples of less secure patterns are: 1122 3344, 1234 1234, 1111 4444

Deleting codes: Codes cannot be individually deleted from the MKS-PKSG data base. The only way to delete codes is to delete them all then add the desired codes back in. To delete all codes in the MKS-PKSG, hold the '1S CARD /10S ERASE' button down until you hear two beeps. Then to start adding cards, you must first use the first method of adding codes described above to memorize the first code.

STANDARD SM1 SERIES MICROPHONE

SWITCHES		
	LEFT	RIGHT
← VOLUME RANGE	LO: MIC LEVEL	HI: LINE LEVEL
← HI FREQUENCY CUT	ON: 6KHZ	OFF: 13KHZ
← LO FREQUENCY CUT	ON: 500HZ	OFF: 900HZ

← MICROPHONE GAIN CONTROL

TO IP CAMERA AUDIO IN
AND 12-24VDC
OR ETS INTERFACE BOX

1000 FEET MAX.

STRANDED, #22 SHELDED 2 CONDUCTOR

Warranty

All ETS products carry a one year parts and labor warranty. This warranty does not cover damages as a result of misuse, improper handling of the unit or exposure to extreme temperatures or moisture. At its discretion, ETS reserves the right to repair or replace this unit under the conditions of the warranty. If you experience problems with your equipment call ETS at: 505-888-3923 to obtain a return authorization number. Equipment requiring repair beyond the warranty period or units that have been damaged or are not covered under the warranty can be repaired by ETS for a minimal cost under most conditions.

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