



80K SIREN/PA SYSTEMS

> Features



- Wide variety of controllers available to suit any need.
- Rugged Unitrol™ switches built to last a minimum of 100,000 cycles.
- Heavy-duty polarized connectors assure quick and easy installation.
- No battery drain during Standby mode.
- UM80K amplifier automatically shuts down if a short circuit develops in the speaker or wiring.

Gain control and flexibility with Unitrol™ 80K siren/PA systems from Federal Signal.

80K Amplifier

The 80K family of siren/PA systems is built around the multi-purpose UM80K siren amplifier. This technologically advanced amplifier delivers superior performance and reliability in a wide variety of operating environments. The UM80K is designed for blow-out proof operation. In the event of a short circuit in the speaker or wiring, the amplifier automatically shuts down. Pair up UM80K amplifiers to create two-tone sound combinations that heighten the warning's audible impact. A UM80K amplifier can operate one or two 58-watt or 100-watt speakers.

Controllers

Two basic types of controllers are available for the 80K system. The first type consists of ultra-compact switches for motorcycle and undercover applications. The second type is made up of small control panels designed for tight spaces and one-piece or remote installation.

80 and 180 Controllers

Model U80KM is exclusively for Kawasaki motorcycles. It consists of a cable that connects the UM80K amplifier with control switches built into the motorcycle's handlebars. The switches activate Wail and Yelp siren tones, and the motorcycle's horn button can be used for Air Horn sound.

Model UM180K is ideal for unmarked cars, volunteers, and motorcycles. Users can choose from two connections to have three sounds (Manual, Wail, and Yelp Override™) or four sounds (Wail, Yelp Override, Hi-Lo, and Hetro™ Override) available. This simple switch activates the siren and one warning light or flasher (15 amp light switching capacity).

183K Controller

The UM183K compact control panel provides control of emergency lighting and siren functions in a unit less than 5 inches wide! This model uses the rugged Unitrol slide-bar for activating lighting functions and a toggle switch for siren functions. Four color-coded lights indicate what position is active. The slide-bar has a total switching capacity of 60-amps with no internal or external relays required.

Siren sounds are activated with a three-position linear motion toggle switch. Position Zero deactivates the siren. Position One enables manual siren control from the vehicle's horn ring. Position Two activates automatic siren with override capability from the vehicle's horn ring.

> How to Order

280 and 480 Controllers

All of these controllers are designed to fit into small spaces while providing full siren and PA functions and light control. Each model has six siren sounds (Manual Wail, Automatic Wail, Yelp, Yelp Override™, Hi-Lo, and Hetro™ Override) plus Air Horn and Intrusion Alarm. The control face is illuminated by a soft light for easy viewing at night. Separate indicator lights also let you know when light and siren functions are active. These controllers also give you the option of one-piece or remote installation.

The UM280K controller features siren and PA functions and the capacity to control one warning light or flasher (15 amps light switching capacity). The right-side is spring-loaded for operating the siren manually and activating override features with or without horn ring connections.

Both 480K controllers have all the features of the UM280K but also have the rugged Unitrol slide-bar for control of lightbars and/or multiple lights (60 amps light switching capacity). Slide-bar positions One and Two operate lights in progressive sequence without activating siren functions. Position Three turns on maximum lights with full siren. Rear lights, beacons, and flashing high beams can be easily sequenced with externally located wires. Model U480K uses a separate microphone and has a tape jack that enables the playing of recorded message over the PA.

Switchpaks

For added control of accessories, such as floodlights, alley lights gun locks, etc., custom switchpaks can be ordered and customized to meet your department's needs. USP models can have up to eight (8) switching functions prewired into them and be keyed to indicator lights, ready to operate.

Model Numbering System

5 = On/off (+12V)

7 = Momentary, ignition controlled (+12V)

Examples: 1) Right alley, left alley, and takedowns is model USP04-AC555;
2) Right alley, left alley, and gun lock release is model USP04-AC557.

	UM80K	180K	183K	280K/480K
Physical Specifications				
Length	5.0 in (12.7 cm)	1.8 in (4.6 cm)	3.3 in (8.4 cm)	4.5 in (11.4 cm)
Width	5.0 in (12.7 cm)	1.1 in (2.8 cm)	4.5 in (11.4 cm)	5.0 in (12.7 cm)
Height	3.0 in (7.6 cm)	1.4 in (3.6 cm)	2.0 in (5.1 cm)	1.8 in (4.6 cm)
Ship Weight				
	5.0 lbs (2.3 kg)	1.0 lbs (0.5 kg)	1.0 lbs (0.5 kg)	2.0 lbs (0.9 kg)

- Specify UM80K amplifier or UDMK dual-mode amplifier.**
- Specify control module.**
 - U80KM** Kawasaki motorcycle siren system (UM80K amplifier included)
 - UM180K** Undercover siren controller with one warning light control circuit
 - UM183K** Siren controller with three warning light control circuits
 - UM280K** Siren/PA controller with one warning light control circuit
 - UM480K** Siren/PA controller with five warning light control circuits
- Specify cables.**
 - UMC083** Kawasaki motorcycle cable
 - UMC029** 180K controller cable
 - UMC029T** 180K dual-mode cable
 - UMC030-4** 4-ft cable
 - UMC030-15** 15-ft cable
 - UMC030T** 280K/480K dual-mode cable
- Order accessories.**
 - UMNCT-SB** Noise-cancelling microphone
 - UPA1** Microphone PA kit with MNCT-SB for 80K/180K
 - USGT** Gun lock timer
 - CAB-KCH** Remote cabinet for 280K/480K
 - CAB-KCH/AC** Remote cabinet with auxiliary pak for 280K/480K
 - CAB-KSU** Single-unit cabinet for 280K/480K
- Order custom Switchpak (if necessary). Add "-AC####" (see "Model Numbering System" above) to complete model number.**
 - USP02** Switchpak with two switching options
 - USP03** Switchpak with three switching options
 - USP04** Switchpak with four switching options
 - USP05** Switchpak with five switching options
 - USP06** Switchpak with six switching options
 - USP07** Switchpak with seven switching options
 - USP08** Switchpak with eight switching options



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Warning: Sirens and Speakers may produce LOUD sounds necessary to request the right-of-way.
Sirens and Speakers may cause hearing damage. Wear hearing protection.

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