

OMEGA™ SIREN AND CONTROLLER SYSTEMS



From left: UNCTR microphone with UCAR remote mic jack and cable, Omega 9200 controller, and U90 amplifier.

ONE SIREN, ALL APPLICATIONS

The Omega™ line of modular sirens and controllers brings a degree of consistency, reliability, and convenience never before offered to users of warning lights and sirens.

The Omega system is built around the all-purpose U90 digital siren/PA amplifier. The compact amplifier is small enough and powerful enough to be used in any vehicle. It unplugs easily from a motorcycle or car for transfer into a boat or any other vehicle in the fleet. The “one siren fleet-wide” concept saves time and money and gives your department the reliability of a Unitrol system.

The U90 amplifier can operate one or two 58-watt or 100-watt speakers. Pair up U90 amplifiers for dual-mode, two-tone sound combinations.

EXCLUSIVE FEATURES

The Omega siren system is designed to be the total package and comes with a set of features that make it the fleet-wide solution.



A variety of siren sounds are available (Manual, Wail, Yelp, Air Horn, Futura, Hi-Lo, Ultra Hi-Lo®, Hetro®, Ultra Hetro, and Alarm), and all are user selectable. The innovative Sweep® mode makes the siren more effective by automatically cycling through as many as seven different tones as determined by the user.

For dual-mode, a second siren can be connected to double the sound level and create attention-getting two-tone sound combinations. Each of the sirens operates independently of the other.

QUICK REFERENCE

FEATURES

- Siren features eight user-selectable sounds.
- Compact controllers won't interfere with deploying airbags when installed properly.
- Complete control of lights, siren, and accessories.
- Automatic Component Protection (ACP®) prevents siren damage in the event a speaker shorts out.
- Attention-getting Sweep® mode cycles siren through as many as seven different sounds.
- Rugged Unitrol® slide-bar provides “eyes-free” control of warning functions.

APPLICATIONS

- Any emergency vehicle

RELATED PRODUCTS

Speakers

Bulletin #6100

Compact Speakers

Bulletin #6101

DynaMax™ Speaker

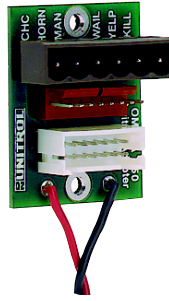
Bulletin #6102

Omega sirens are protected against short circuits with Automatic Component Protection (ACP®). ACP circuitry constantly checks for electrical shorts in the system and insulates the siren from damage should one occur. Repairing the short restores the siren to normal operation.

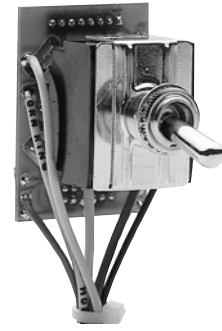
Park Kill™ effectively reduces extraneous noise at the scene. When the vehicle's transmission is shifted into Park, the siren is disengaged and kept off until the operator switches it back on.

The Instant-On PA function does not require an on/off switch for PA broadcasting. The microphone button activates the public address feature.

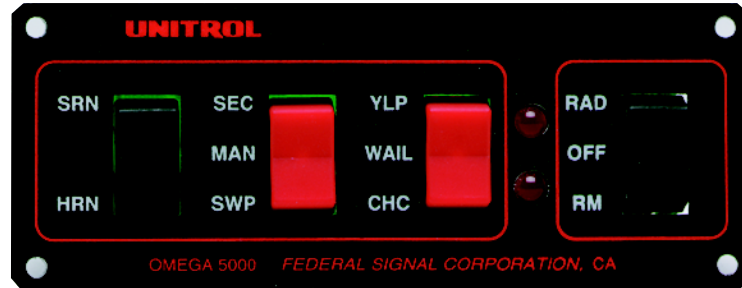
For take-home and K-9 vehicles, a special non-siren Alarm tone warns of tampering with or high temperature in the vehicle.



Model UM650



Model UM3000



Model UM5000

CONTROLLERS

Omega controllers come in a variety of sizes, but all are "airbag friendly," so when installed properly, they won't interfere with deploying airbags.

UM650 – Handlebar switches control Manual, Wail, and Sweep sounds on this motorcycle siren. The Horn button can operate the regular horn ring and Air Horn sounds.

UM3000 – This ideal undercover siren controller can operate the vehicle's horn circuit, one warning light or headlight flasher, and siren functions from one simple toggle switch. Siren sounds include Manual, Wail, and Yelp Override® or up to seven Sweep sounds.

UM5000 – This simple control panel activates four basic sounds, three override sounds, and up to seven Sweep sounds. This model also offers radio rebroadcast. A separate PA or radio microphone is used for public address.



Omega model UM3000 is an ideal choice for undercover vehicles.

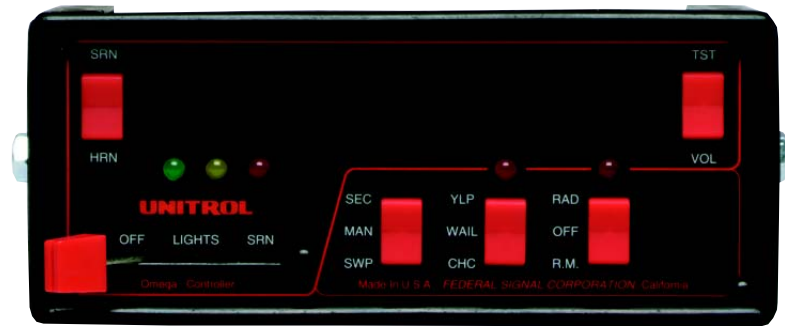
Omega models are also available with controls for warning lights and accessories.

6000 series – Controls four basic siren sounds, three override sounds, up to seven user-selectable Sweep sounds, and radio rebroadcast. The slide-bar operates only the lights in positions 1 and 2. In position 3, siren functions are also activated. The TST switch operates the siren without warning lights for tests and storm warnings. A rubber bumper is included to cushion the front cabinet edges. Total switching capacity is 60 amps.

8000 series – These models include all functions of the 6000 series but also have four rocker switches to control up to eight accessories, such as takedowns, trunk release, and others. Right-side rocker switch positions can turn ON, OFF, or TRANSFER (polarity can be positive [+] or negative [-]). Left-side positions supply +12V at 8 amps maximum. Total switching capacity is 170 amps.

9000 series – This line of Omega controllers incorporates all the features of the 8000 series but is designed with user customization in mind. All 9000 series models come with room for three full-size rocker switches. You determine if these switches are two-position, momentary, three-position, or split based on the number of functions you want to control. Up to twelve functions can be operated from the three switch spaces.

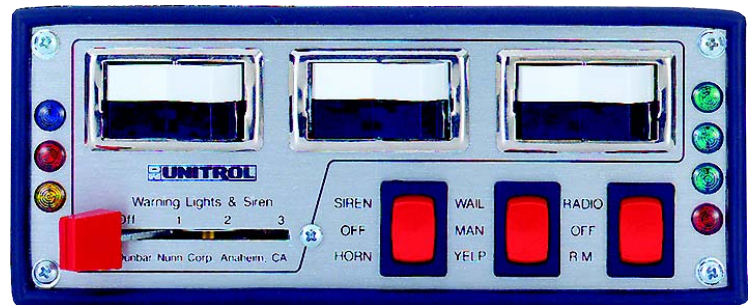
Several models are available with an optional Blackout pushbutton for brake and back-up light cutoff. 8000 and 9000 series controllers can be ordered with up to four or more momentary spring-return rocker switches. Momentary switches can be keyed to user-defined positions.



6000 series controller



8000 series controller



9000 series controller



Omega 9000 series controllers offer a variety of switching options to give you maximum control.

How To ORDER

- Specify one U90 siren or one UDMO dual-mode siren with cable (a second siren is required for dual-mode capability).
- Specify Omega controller.
 - UM650** Motorcycle switch adaptor
 - UM3000** Undercover siren/light controller
 - UM5000** Panel mount siren/PA controller
 - UM6000** Panel mount siren/light/PA controller
 - UM8000** Siren/light/PA controller with 8 on/off switches
 - UM8001** Siren/light/PA controller with 7 on/off and 1 momentary switch
 - UM8003** Siren/light/PA controller with 5 on/off and 3 momentary switches
 - UM8101** Siren/light/PA controller with Maintained Blackout, 7 on/off switches, and 1 momentary switch
 - UM8102** Siren/light/PA controller with Maintained Blackout, 6 on/off switches, and 2 momentary switches
 - UM9000** Warning light controller with customized accessory switches
 - UM9200** Siren/light/PA controller with customized accessory switches
- Specify required cable.
 - UCA90-1** 1' cable
 - UCA90-4** 4' cable
 - UCA90-18** 18' cable
 - UCA92** Dual-mode cable
 - UCAR** Remote microphone jack cable

- Specify options and/or accessories.
 - UFMO** Bezel
 - UNCOR** Microphone with cable
 - UNCTR** Noise-cancelling microphone with cable
 - UOP09** Delete Hi-Lo/Hetro sounds (no charge)
 - UOP15** Trunk release (+)
 - UOP16** Trunk release (-)
 - UOP17** Strobe dimming (+)
 - UOP18** Strobe dimming (-)
 - UOP19** Two-way radio microphone siren kill
 - UOP25** Jog switches for Smart Vector
 - UPKM** Park siren deactivator
 - USGT** Gun lock timer
 - UTAS** Temperature sensor (canine) switch
- Order speaker(s) (if necessary). Contact factory for mounting kits.
 - BP100** 100-watt compact speaker
 - MC** 58-watt motorcycle speaker
 - MC-5Z** 100-watt motorcycle speaker
 - MS100** 100-watt DynaMax™ speaker
 - TS100** 100-watt lightbar speaker
 - TS200** 200-watt lightbar speaker

FACTORY SET SPECIFICATIONS

<i>Model</i>	<i>Input Voltage</i>	<i>Operating Current</i>	<i>Standby Current</i>
U90	12 VDC	20 mA–170 A	20 mA

DIMENSIONS

<i>Model</i>	<i>Height</i>		<i>Width</i>		<i>Depth</i>		<i>Ship. Weight</i>	
	<i>in.</i>	<i>cm.</i>	<i>in.</i>	<i>cm.</i>	<i>in.</i>	<i>cm.</i>	<i>lbs.</i>	<i>kg.</i>
U90	2.6	6.6	4.5	11.4	4.3	10.9	4.0	1.8
UM650	1.3	3.2	1.6	4.1	1.0	2.5	1.0	0.5
UM3000	1.9	4.8	1.4	3.5	1.3	3.2	1.0	0.5
UM5000	1.6	4.1	4.1	10.4	1.3	3.2	1.0	0.5
6000	2.6	6.6	6.4	16.3	2.6	6.6	2.0	0.9
8000	2.6	6.6	6.4	16.3	2.6	6.6	2.0	0.9
9000	2.5	6.4	6.3	16.0	3.1	7.9	3.0	1.4



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