

# PA300

## Electric Siren



### FEATURES

- Full-featured siren in a compact package
- Easy-to-operate and durable switching
- Built-in noise-canceling microphone
- Illuminated non-glare control panel
- 100- or 200-watt models available
- External PA Gain control
- Easily accessible fuse protection
- Effective TAP II intersection clearing
- Priority in place of hi-lo tone available
- 12- or 24-Volt versions available
- Three-year warranty

### APPROVALS

- Meets SAE J1849 requirements for sound output
- Meets Class A (CAC)

#### Value and Unmatched Reliability

The PA300 siren delivers exceptional value and unmatched reliability. This siren can provide either 100- or 200-Watt output to meet or exceed SAE J1849 and Class A requirements for sound when paired with a Federal Signal high-power speaker.

#### A Wide Range of Features

A wide range of features comes standard with any PA300 police siren. Included are (5) basic siren tones, TAP II (horn-ring transfer), PA, radio rebroadcast and air horn sound with siren override. TAP II allows for effective intersection traffic clearing capability without having to remove your hands from the steering wheel or your eyes from the road. There is also a "Press-and-Hold" function; depressing and holding the horn ring will produce an alternate sound for as long as the operator keeps the horn ring circuit depressed.

#### Noise-canceling Microphone

The PA volume level can be controlled with a rotary GAIN switch located on the unit's backlit front panel. Radio rebroadcast volume is adjustable via an easily accessible rotary pot. The PA300 siren also includes a permanent noise-canceling microphone that produces high-quality voice reproduction without feedback squeal, and the push-to-talk switch will override any siren tone for instant PA use.

#### Electrical System

The enclosed, fully-featured siren operates from any 12- or 24-volt negative ground vehicle electrical system. The PA300 can be powered directly by the car's battery or through secondary power distribution centers. No matter how power is delivered, the PA300 siren is protected against most failure modes, including reversed polarity, by a readily available fuse and can be replaced without tools.

#### Compact Size

PA300 siren packages are built small and compact, and each unit comes supplied with its own "U" shaped mount bracket. There are no protruding components to interfere with mounting arrangements, and all electrical connections are easy "plug-and-play" types located on the rear of the siren's housing.

#### Mounting Options

An optional stainless steel bezel is available for flush mounting and a wide variety of switch controls that flush mount to the PA300 series siren are also available.

## HOW TO ORDER

690000	Electronic siren, 12-volt, 100-watt, includes wired-in microphone, standard siren tones with air horn and radio rebroadcast
690002	690000 with Priority tone in place of Hi-Lo
690009	Electronic siren, 24-volt, 200-watt version
690010	690000 that is 12-volt, 200-watt version

### ORDER OPTIONAL EQUIPMENT (IF NECESSARY)

761300	Retrofit adapter cable (used when replacing PA300 model with new 690XXX model)
DSM	Kit, PA300 Series, bezel for dash mount
MNCT-SD	Microphone, noise-canceling, PA/Radio

## SPECIFICATIONS

	690000 690002	690009 690010
AUDIO OUTPUT POWER	100 W	200 W
INPUT VOLTAGE	11/15 Vdc	11/15 Vdc (690010) 24/28 Vdc (690009)
NOMINAL OUTPUT VOLTAGE	64 V peak-to-peak	
STANDBY CURRENT	60 mA	120 mA
INPUT CURRENT, OPERATING	10 A max	10 A max (690010) 5 A max (690009)
OPERATING TEMP.	-22° to +149° F (-30° to +65° C)	
POLARITY	Negative ground only	
FREQUENCY RANGE	725 to 1800 Hz	
<b>PHYSICAL SPECIFICATIONS</b>		
LENGTH	8.5 in (21.6 cm)	
WIDTH	6.5 in (16.5 cm)	
HEIGHT	2.5 in (6.4 cm)	
SHIP WEIGHT	6.5 lb (3.0 kg)	

## SELECTOR SWITCH FUNCTIONS

<b>RADIO</b>	Incoming radio messages are amplified by the siren and rebroadcast over the outside speaker. MANUAL – Siren may be activated by the HORN/SIREN switch or the vehicle's horn ring.
<b>WAIL</b>	Continuous "wailing" up and down in pitch.
<b>YELP</b>	Continuous rapid "warbling" tone.
<b>HI-LO</b>	Distinctive two-tone sound.
<b>PRIORITY</b>	Easily recognized rapid Yelp tone.
<b>HORN-SIREN</b>	Up position activates electronic air horn sound and Down position activates peak- and-hold sound in any mode except radio

## SIREN FEATURES

### TAP II Functions

The TAP II feature enables the driver to change the audible siren sound via the vehicle's horn ring or any remotely mounted switch. The chart below demonstrates how the horn ring circuit may be used to change the siren sound.

	1ST HORN TAP PRODUCES	2ND HORN TAP PRODUCES
SWITCH SET TO WAIL	Yelp	Wail
SWITCH SET TO YELP	Wail	Yelp

### Press-and-Hold Function

Additional alternate sounds may be activated in two other selector switch positions. Depressing and holding the horn ring circuit produces the alternate sound for as long as desired. The chart below shows how the function works.

	PRESS HORN PRODUCES	RELEASING PRODUCES
SWITCH SET TO HI-LO	Air Horn	Hi-Lo
SWITCH SET TO MANUAL	Peak-and-Horn or Air Horn	Silence or Coast Down and Silence

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.

