

WPA Series Sirens & Control Heads



ELECTRONIC SIRENS WITH PUBLIC ADDRESS

WPA Series Sirens and Control Heads are engineered to withstand the harsh environmental conditions typical of motorcycle or marine applications.



FEATURES

- Four tone siren: Wail, Yelp, Piercer, and Airhorn. Also includes public address and radio repeat
- PA override on all functions
- Manual override
- Emergency light switches
- Hands-Free capability. Cycle through siren tones using the horn button, manual control, and auxiliary switch for hands free usage
- Easy to install with pre-wired weather resistant connector, 8" wiring pigtail, and in-line fuse/holder

CONTROL HEADS

- Compact, fully encapsulated control heads feature entirely sealed rotary switches, toggle, and PA volume control
- Three position toggle switch on WPA1 and WPA2 enables control of siren only functions or combined siren and light operation
- Removable noise cancelling microphone included

AMPLIFIERS

- Extruded aluminum housings resist environmental damage



SPECS

Control Head: WPA1, WPA2, WPA3BM

VDC:	10 to 32 (WPA1, WPA2) or 10 to 16 (WPA3BM)
Input Current:	500mA (max.)
Output Voltage:	1.4V lower than the input Voltage
Output Current:	500mA (max.)
Operating Temp:	-30° C to + 60° C
Operating Humidity:	100% non-condensing
Operating Short Pro:	500mA POLYFUUSE
Weight:	1.25 lbs (.5kg)
Warranty:	2-Year warranty

Amplifier: WPA112, WS321

VDC:	12.8 +/- 20% (WPA112) or 12.5 +/- 20% (WS321)
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⚠ WARNING: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit whelen.com/regulatory.

All products proudly designed, manufactured, and assembled in the U.S.A.
• ISO 9001 Registered QMS

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CONTROL HEAD MODELS

WPA1	Control head is weather resistant for handlebar and surface mount applications, 7.5' cable, and connectors, 1.6875" (43mm) H x 2" (51mm) D x 4.25" (108mm) W
WPA2	Control head is weather resistant for marine surface mount applications, 20' cable, and connectors, 1.6875" (43mm) H x 2" (51mm) D x 4.25" (108mm) W
WPA3BM	Control head is suitable for marine applications and includes weather resistant switches, microphone jack, bail mount, and 20' cable, 3.635" (92mm) H x 4.128" (104mm) D x 7.128" (181mm) W (without bail bracket)

OPTIONS

WSMIC321	Microphone for WS321
BETA2BKT	Flush/surface mounting bracket for WPA1 and WPA2

SIREN TONES

Tone	Frequency	Sweep Rate
Wail	500Hz - 1500Hz	12 Cycles / Minute
Yelp	500Hz - 1500Hz	180 Cycles / Minute
Piercer*	500Hz - 1500Hz	800 Cycles / Minute
Hi/Low*	500Hz - 1500Hz	50 Cycles / Minute
Airhorn	500Hz - 1000Hz	Constant

*Hi/Low tone may be substituted for Piercer tone if required. Specify on ordering.

Amplifier WPA112, WS321 Continued:

Input Current:	10mA(typ.)/8A (max.) (WPA112) or n/a/8A (max.) (WS321)
Output Voltage:	34V RMS (max.)
Speaker Impedance:	(1) 11 ohm
Output Power:	105 watts (max.)
Control Voltage/Current:	Input Voltage/125mA (typ.) (WPA112)
Output Short Pro:	500mA auto reset (WPA112)
Input Fuse:	10 A auto fuse / spade type, covered in-line connector - customer supplied mounting
Operating Temp:	-40° C to + 70° C (WPA112) or -30 C to +60 C (WS321)
Operating Humidity:	95% non-condensing (WPA112) 99% non-condensing (WS321)
Weight:	2.9 lbs (1.32kg)
Warranty:	2-Year warranty

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