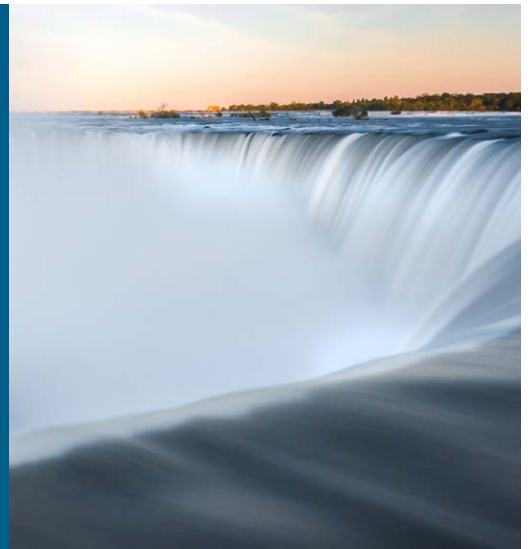




For
dependable
warning sirens
with clear
tones and
effective voice
communication



TWS-298

All hazard high-power siren system

The TWS-290 series features superior amplifiers and EZ-PULL™ speaker drivers, delivering powerful alarm tones and clear voice communication for effective emergency warnings. Housed in a durable, corrosion-resistant aluminum cabinet, boasting a true 360° sound coverage ensures comprehensive audio dispersion. The system operates at maximum power for a minimum of 30 minutes using TWSBATT 100-12 ensures functionality during critical situations.



Features

- 8 pcs omni-directional modular speaker cells assembled in a vertical column performing a SPL of 127 dB(C) @ 100' / 30 m
- Clear voice reproduction achieving a STI intelligibility index of 0.99
- TWS-298 speaker includes 6 pcs high-efficiency EZ-PULL™ speaker drivers
- Speaker cluster made of non-corrosive carbon fiber reinforced polymer (non-metallic material)
- 15 m speaker cable included. FRNC, LSZH, IEC 60228 cl.5 copper strands
- IP66 rated aluminum cabinet with a separate battery compartment
- 8 pcs high-efficiency Class AB/F power amplifiers
- Surge Protective Device included for AC power supply (COAX SPD for antenna included with TWS-RADIO option)
- Six standard warning tones: Wail, Whoop, Attack, Hi-Lo, Alert, Airhorn
- Customizable alert tones based on customer preferences (optional)
- Alarm tone generator, automatic and live voice broadcast
- Battery-powered with tone activation for a minimum of 30 minutes of full power output using TWSBATT 100-12 batteries
- Siren system optimized battery charger
- Local or remote control / status
- Electronic siren controller with SI TEST® for silent self-diagnosis / test
- Full status monitoring, including low battery and amplifier / speaker status

HSS

ENGINEERING®
WARNING SYSTEM SOLUTIONS

Every project matters to us!

Technical data

| | |
|---------------------------------------|--|
| Battery charger input | 90 - 264 VAC, 47 - 63 Hz, max 4.5 A |
| Battery charger output | 21 - 30.4 V, max 12 A @ 25° C |
| Batteries (Sold separately) | 4 pcs 12 V, AGM, SLA. 100 Ah. Deep Cycle. See options |
| Standby current | 82 mA, 24 VDC (typical) |
| Operating current | 144 A, 24 VDC (typical) |
| Output power per driver | (typical/max) 400/600 Watts |
| Total output power | (typical/max) 3200/4800 Watts |

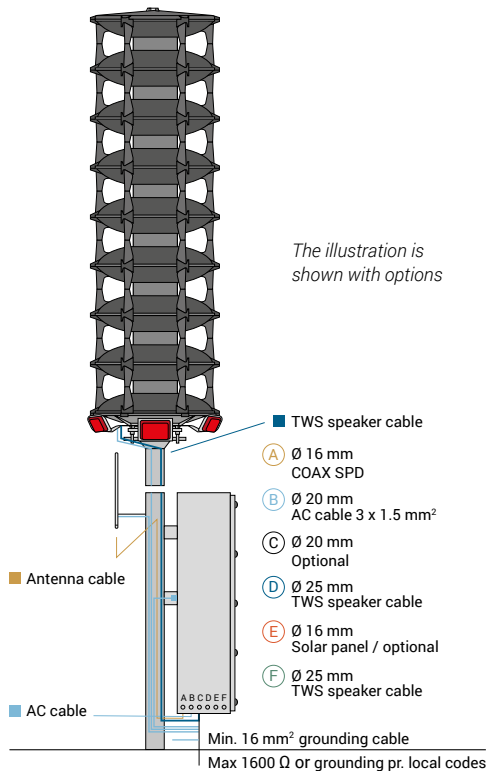
Dimensions TWS-298 speaker

| | |
|---------------|---------------------|
| Height | 2,741 mm (107.9") |
| Width | 848 mm (33.4") |
| Weight | 208.7 kg (460 lbs.) |

Dimensions Electronics cabinet

| | |
|---------------------------------|---------------------------------------|
| Height | 1,610 mm (63.4") |
| Width | 800 mm (31.5") |
| Depth | 310 mm (12.2") / 335 mm (13.2") |
| Weight | 93.0 kg (205.0 lbs.)* |
| Operating temperature | -35° C to +60° C (-31° F to +140° F) |
| Storage temperature | -65° C to +125° C (-85° F to +267° F) |
| Humidity, non-condensing | 0 to 95% |

* Weight is exclusive batteries and options.

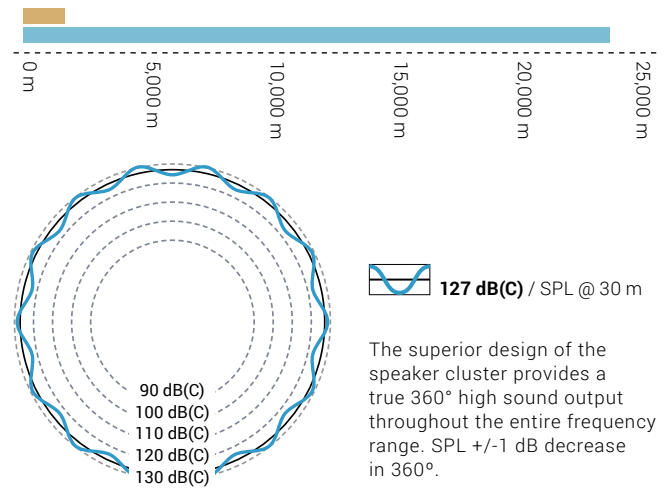


Acoustic performance

| | |
|------------------------------------|-----------|
| SPL @ 1 m | 157 dB(C) |
| SPL @ 30 m | 127 dB(C) |
| 70dB range ISO 13475-1* | 23,420 m |
| 70dB range FEMA standard**: | 1,646 m |

* ISO: 6 dB sound pressure reduction pr. doubling of distance (as per ISO 13475-1)

** FEMA: 10 dB sound pressure reduction pr. doubling of distance (as per FEMA guidelines)



Ordering Information

| Product Description | Order No. |
|-----------------------------------|-----------|
| High-power voice and siren system | TWS-298 |

| Options | Order No. |
|-----------------------------------|----------------|
| AGM 12V 100 Ah batteries | TWSBATT 100-12 |
| 3000 W direct power supply | TWS-AC-PSU |
| Mounting brackets for cabinets | TWS-BRACKET |
| Sun shield | TWS-SUN |
| Intrusion alarm | TWS-INTRU |
| Solar power system | TWS-SBC400 |
| Top mounted LED beacon | TWS-TL31R |
| Visualert LED light cluster | TWS-VALERT |
| Auxiliary / status control board | AUXCS |
| GSM solution 2G / 4G | GV-GSM-RTU |
| IP Interface for TWS-Siren series | GV-IP |
| DIN rail switch | TWS-SWITCH-SFP |
| Paging interface | GV-PGINT |
| Radio VHF / 136-174 Mhz | TWS-RADIO-V |
| Radio UHF / 403-470 Mhz | TWS-RADIO-U |

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WARNING SYSTEM SOLUTIONS

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