

Vantage Flood Station with Siren



Designed for fast, automated flood response

- Continuously monitors water levels in flood-prone areas
- Automatically sounds audible warnings at defined thresholds
- Sends notifications to operators and designated personnel
- Continues to function locally if communications are disrupted



Ideal for outdoor public areas

- Campgrounds and RV parks
- Parks and trail systems
- River access points and recreation corridors
- Remote or unattended public spaces

Automated flood warnings for outdoor public spaces

Flooding can rise in minutes near rivers, creeks, and low-lying recreation areas. When people are camping, hiking, or spending time outdoors, they may not see changing conditions until it's too late. The Vantage Flood Station with Siren automatically monitors water levels and triggers a loud, unmistakable warning when thresholds are reached. Alerts are automated, centrally visible, and continue locally even if communications are disrupted.

KEY BENEFITS



Warn people where they are: A powerful audible siren alerts people outdoors who may not see signage or mobile alerts.



Trigger alerts automatically: Custom water level thresholds activate warnings without manual intervention, giving people time to find safer ground.



Works when networks fail: The station continues to monitor and activate alerts locally if cellular communications are interrupted.



Give teams real-time visibility: Operators receive email or text notifications and can see live water levels and siren status in AEM Elements® 360.



Document and share conditions: Access time-stamped alert history and current status to support coordination and post-event review.

Key Specifications

Engineered for reliable outdoor flood alerting in remote and high-risk environments

SIREN ELECTRICAL AND PERFORMANCE

Voltage	12 VDC
Current Draw	5 A
Sound Output	~112 dB
Sound Range	150+ meters (per remote station)
Motor Type	Heavy duty permanent magnet motor (short duty cycle)

SIREN CONSTRUCTION & MOUNTING

Housing	Metal
Mounting	Adjustable vertical angle bracket
Dimensions	5" W x 5" H x 6.5" D
Wiring	Two wire hookup (Red +12 V, Black ground)
Recommended Fuse	10A inline

MONITORING STATION

Measurements	Water level, rainfall (optional)
Connectivity	Cellular with mesh radio
Power	Solar + battery

REMOTE STATION WITH SIREN

Outputs	Audible siren, optional signage
Power	Solar + battery
Expansion and Coverage	Support up to six remote siren stations per monitoring station to extend coverage across larger parks, campgrounds, and recreation corridors.



AEM Elements 360: Your flood warning command center

- Monitor real-time water levels and siren status for specific sites, not broad regional flood conditions.
- Receive automatic email or text alerts when thresholds are reached or warnings activate.
- View radar, weather alerts, lightning data, and other key information alongside local site conditions.
- Share live status with emergency managers, first responders, and field personnel.
- Maintain a documented history of alerts and conditions for accountability and post-event review.



READY TO STRENGTHEN YOUR FLOOD WARNING STRATEGY?

Protect visitors from rising flood waters. Contact AEM's flood early warning experts at info@aem.eco to learn more about the Vantage Flood Station with Siren.