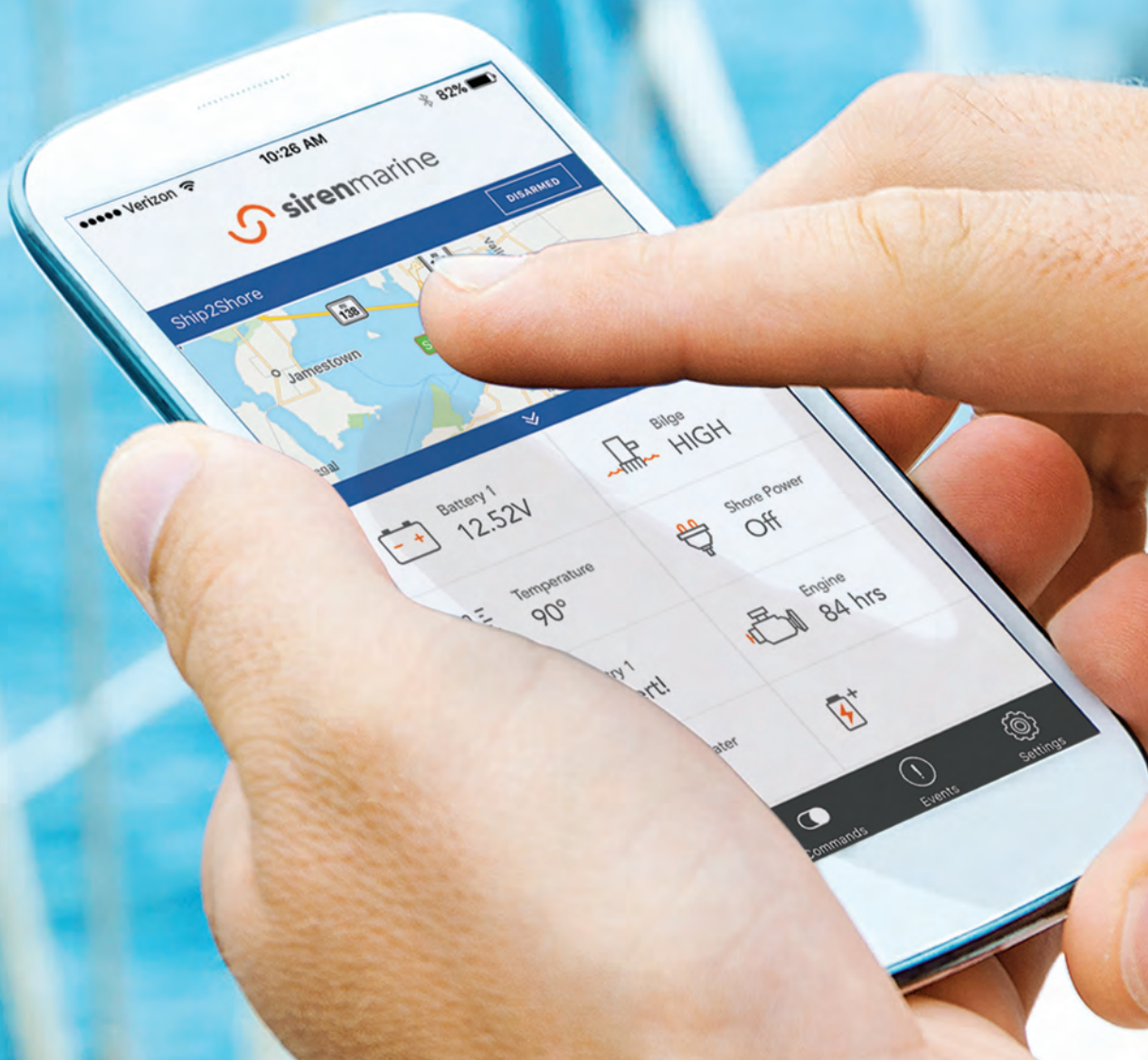# sirenmarine

Boat Smarter. Get Connected.

Monitor

Track

Control

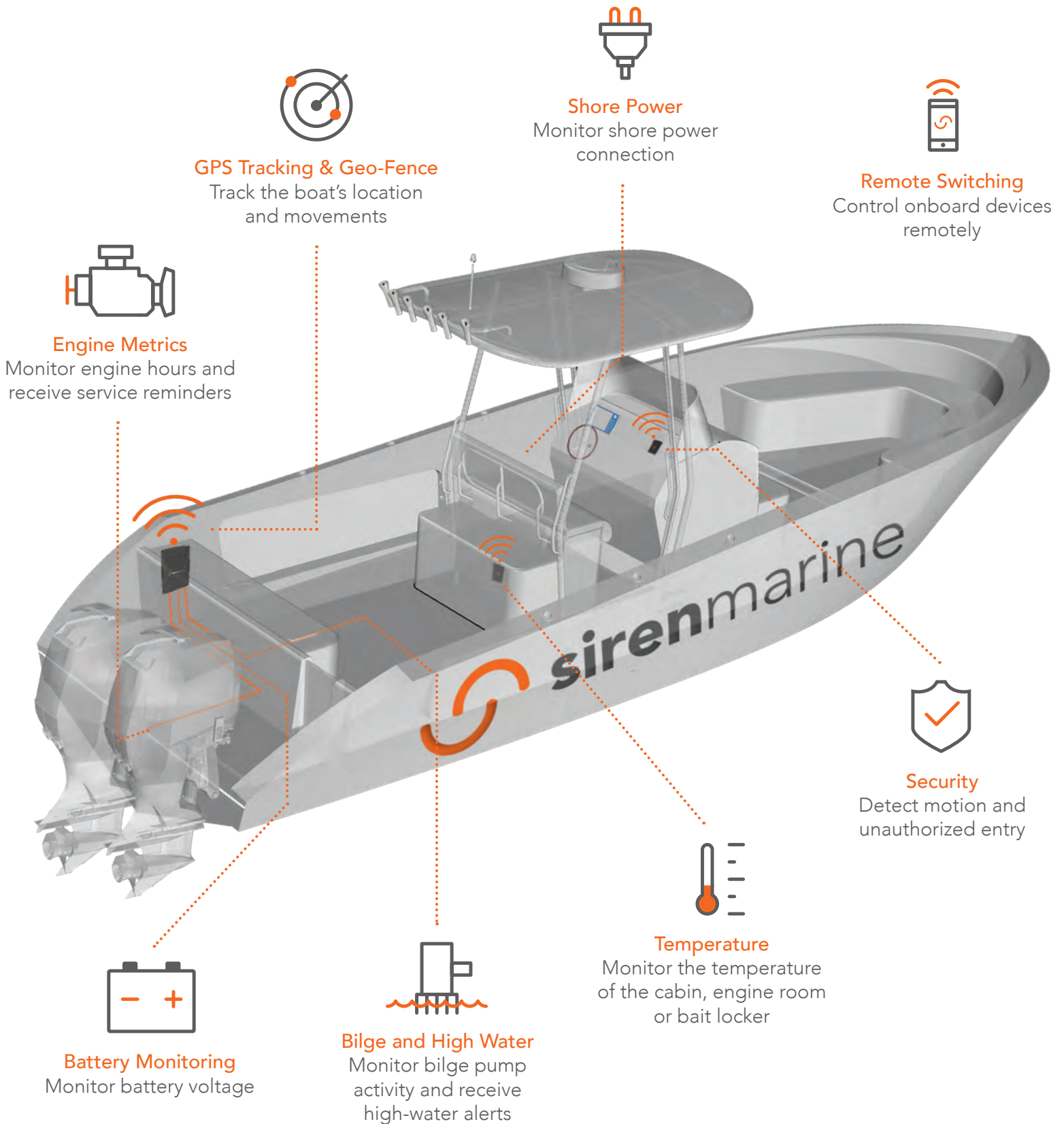**Secure**

Welcome to The Connected Boat™

Siren Marine is revolutionizing the boat ownership experience by providing boat owners with remote access to critical onboard information. Affordable, easy to install and simple to use, Siren Marine is the perfect solution for connecting boaters with their boats.

GPS Tracking & Geo-Fence
Track the boat's location and movements

Shore Power
Monitor shore power connection

Remote Switching
Control onboard devices remotely

Engine Metrics
Monitor engine hours and receive service reminders

Security
Detect motion and unauthorized entry

Temperature
Monitor the temperature of the cabin, engine room or bait locker

Battery Monitoring
Monitor battery voltage

Bilge and High Water
Monitor bilge pump activity and receive high-water alerts

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MTC+2
Wireless Boat Monitoring & Security System

+

MTC
Monitor, track and control – standard features include battery monitoring, GPS tracking, and geofencing.

Wireless High Water Sensor
The Wireless High-Water Sensor detects if there's water in the bilge.

Wireless Battery Sensor
Monitor battery voltage, and never worry about a dead battery again.

Wireless Entry Sensor
Perfect for securing doors, lockers, and hatches (replace High Water or Battery sensor).

OPTIONS: Add Wired or Wireless Sensors to Expand the System

Engine Metrics
Monitor engine hours and receive maintenance alerts.

Bilge
Monitor bilge activity, including cycles and run time.

Security
Secure the vessel from unwanted entry with an array of wired and wireless sensors.

Shore Power
Monitor system critical shore power connection.

Control Devices
Control onboard devices such as A/C, lights, sirens, etc.

Wireless sensor option available

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MTC
Monitor. Track. Control.

3G Cellular

3G Cellular

STANDARD FEATURES

GPS Position & Geofence
Track the location and movement of the boat

Battery Monitoring
Receive alerts if battery voltage is low

OPTIONS: Add Wired or Wireless Sensors to Expand the System

Engine Metrics
Connect to the engine to monitor hours and receive service reminders

Bilge
Connect to a bilge pump or high-water sensor

Security
Add motion sensor, magnetic switch, canvas snap sensor, or pressure pad

Shore Power
Add sensor to power outlet to monitor shore power connection

Temperature
Monitor temperature of cabin, engine room, fridge, or bait locker

Control devices
Add wireless or wired sensors to control lights, HVAC, Bilge Pumps, etc.

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MTC Technical Specifications

General

Physical Dimensions
6.5in x 4.5in x 1.25in
(16.5cm x 11.43cm x 3.175cm)

Status LED
GPS (green)/Cellular (red)

Weight
0.98 lbs (444.52 grams)

Digital Inputs
7 (0-30 VDC)

Remote Battery Control
On/Off

Location Technology
56-Channel GPS (with SBAS)

Digital Outputs
3

Analog Inputs
4 (0-30 VDC)

Temperature Inputs
2 (1-Wire Interface)

Basic Setup

1. Connect MTC to boat battery (either 12 or 24 V)
2. Subscribe to Service Plan via SirenMarine.com
3. Download App

Electrical

Operating Voltage
9-30 VDC

Power Consumption
<20mA @ 12v (Standby Mode)
70mA @12v (Active Tracking)

Back-Up Battery
3000mAh Lithium Polymer Battery

Environmental

Temperature
-22°F to 167°F (-30°C to 75°C)
(Connected to Primary Power)
-40°F to 185°F (-40°C to 85°C)
(Storage)

Humidity
95% R.H. (Relative Humidity) @ 122°F (50°C)

Mounting

Mounting Bracket
4.5in x 2.5in x 1.5in (11.43cm x 6.35cm x 3.81cm)

Bracket Screws x 4

Connectivity

Cellular
Internal

GPS
Internal (SMA for optional external antenna)

Wired
26-gang terminal connector for wired sensors

Wireless
Sub-GHz wireless transceiver to connect to up to 10 sensors

Certifications

Fully Certified
FCC, CE, IC, PTCRB, & All Applicable Carriers

Optional Features

- External GPS Antenna
- Satellite Transceiver

Wireless Sensors

Wireless Module Specs

Dimensions
2.0 in x 2.7 in x 0.6 in

Wireless Connection
900 MHz radio frequency

Range
Up to 200 feet

Mounting
Mounting bracket with adhesive mounting strip and mounting screws included

Certifications
IP67 Waterproof, FCC, EU

Battery
CR2430 Lithium Cell, rated 2 years

Warranty
2-Year Limited Warranty

Requirements
Requires MT, MTC, or MTC-Pro and Siren Marine Service Plan

Siren Marine wireless sensors are easy to install and ideal for hard-to-access places.

Easy to Install

Peel & Stick Mounting

2-Year Battery Life

IP67 Waterproof

Monitor Temperature

Up to 200 foot range

Wireless Battery Sensor
SM-WLS-BATT

Monitor battery voltage with the Wireless Battery Sensor, and never worry about a dead battery again. Attach the Battery Connect to one of the boat's batteries and plug the other end into the Wireless Module. Link the module to the MTC and receive alerts if the battery voltage exceeds or drops below a preset level. Ideal for monitoring multiple batteries on a boat.

Includes Wireless Sensor Module and Battery Connector with 3 feet of wire.

Wireless Bilge Sensor
SM-WLS-BILG

The Wireless Bilge Pump Sensor monitors bilge pump activity, including run time and daily cycles. Attach the Bilge Pump Connector to the bilge pump and plug the other end into the Wireless Module. Link the module to the MTC and receive alerts if the bilge pump exceeds a preset run time or cycle counts.

Includes Wireless Sensor Module and Bilge Pump Connector with 3 feet of wire.

Wireless Sensors

Wireless High Water Sensor
SM-WLS-HIWS

The Wireless High-Water Sensor detects if there is water in the bilge and instantly sends an alert to the Siren Marine App if water has risen above a preset level. Mount the Water Probe at the desired height in the bilge and plug the other end into the Wireless Module. Link the module to the MTC and receive alerts if the boat is taking on water.

Includes Wireless Sensor Module and Water Probe with 3 feet of wire.

Wireless Temperature Sensor
SM-WLS-TEMP

Monitor the temperature of the cabin, engine room, bait locker, or fridge. Place the Wireless Module in the area that needs to be monitored, link the module to the MTC, and receive alerts if the temperature exceeds or drops below a preset level. The optional temperature probe is can be used for measuring the temperature of specific equipment (e.g. engine) or hard-to-reach areas of the boat.

Includes Wireless Sensor Module and Temperature Probe with 3 feet of wire.

Wireless Entry Sensor
SM-WLS-ENTR

Receive instant notifications if there is unauthorized entry on the boat. Perfect for securing lockers, doors, and hatches. Install the Wireless Module on one side of the door or locker and the Open/Close Magnet on the other side. Link to the MTC and receive alerts when the door or locker is opened or closed.

Includes Wireless Sensor Module and Open/Close Magnet.

Wired Sensors

Canvas Snap Sensor
SM-ACC-SNAP

Description
The ideal security solution for boats that have a canvas cover. Simply replace one of the regular canvas snaps with the Canvas Snap Sensor. In the event the snap is opened, the MTC will send an alert to the Siren Marine App and can also trigger an audible alarm.

Specs
- Dimensions: 1.25 in (body) + 12 in (wire)
- Bronze snap body
- Includes 1 magnet for existing canvas snap
- Grounds directly to security input

Micro ePIR Motion Sensor
SM-ACC-EPIR

Description
This compact and flush-mounted motion sensor detects unauthorized entry. In the event motion is detected, the MTC sends an instant alert to the Siren Marine App and can also trigger an audible alarm.

Specs
- Dimensions: 1.75 in x 2.5 in (body) + 6 in (wire)
- Flush mount (2.5 in depth behind mounting point)
- Adjustable backing plate
- Supply Voltage: 9-12V

Infrared Motion Sensor
SM-ACC-INFR

Description
The Infrared Motion Sensor is ideal for detecting motion in confined areas such as a cabin, pilothouse or galley. Simple to install and blends seamlessly with a boat's interior. In the event motion is detected, the MTC sends an alert to the Siren Marine App and can also trigger an audible alarm.

Specs
- Dimensions: 3.37 in x 1 in
- Coverage up to 36 ft.
- Ceiling mount
- Supply Voltage: 9-12V

Magnetic Reed Switch
SM-ACC-REED

Description
The Magnetic Reed Switch is a cost-effective solution for detecting unauthorized entry. Simply mount the two-part switch on each side of a door, hatch, or locker. In the event the switch detects entry, the MTC sends an alert to the Siren Marine App and can also trigger an audible alarm on the boat.

Specs
- Dimensions: 1x1 in (2-part body, 0.5x1 in each) + 12 in (wire)
- Screw mount and adhesive mount included
- Grounds directly to security input

Wired Sensors

Shore Power Sensor Plug
SM-ACC-SHOR

Description
The Shore Power Sensor Plug detects if shore power has been disconnected or if there is a power outage at the dock. In the event power is lost, the MTC automatically sends an alert to the Siren Marine App. Avoid spoiled food, dead batteries or a costly system shutdown.

Specs
- Dimensions: 2.5 in x1.5 in (body) + 3 ft of wire
- Standard AC to DC adapter, 3V DC output
- Plugs into AC outlet

Temperature Probe
SM-ACC-TEMP

Description
Monitor the temperature of the cabin, engine room, bait locker or fridge, and receive an alert on the Siren Marine App if the temperature rises above or drops below a pre-set level.

Specs
- Dimensions: 10 ft wire + 1.3 in probe
- Supply Voltage: 12V DC
- Stainless Steel Probe

AC Shore Power Relay
SM-ACC-ACRE

Description
The AC Shore Power Relay is hardwired directly to the AC distribution panel. In the event shore power is lost, an alert is sent to the Siren Marine App. A certified marine installer is highly recommended to install the AC Shore Power Relay.

Specs
- Dimensions: 1.5 in x 0.75 in x 1.2 in (box) + 11.3 in (wire)
- Relay may be energized by one of three input voltages: 24VDC, 24VAC, or 120VAC
- Relay required to monitor shore power directly from the AC panel.
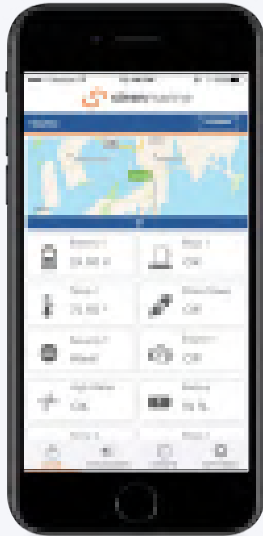
DC Accessory Relay
SM-ACC-DCRE

Description
The DC Accessory Relay allows users to remotely control any 12V onboard device through the Siren Marine App. Devices can be activated manually or configured to be triggered automatically by an event.

Specs
- Dimensions: 1.5 in x 0.75 in x 1.2 in (box) + 11.3 in (wire)
- Ideal for 12VDC and 24VDC circuits.
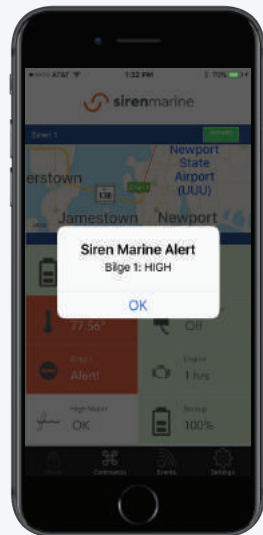- Relay required for the MTC to power or switch any 12V device that draws more than 1Amp.

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App Features

Home
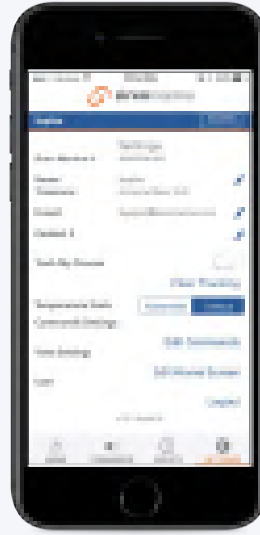
Full boat status
at a glance

Commands

Control onboard
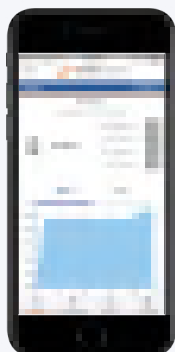switches with the
slide of a finger

Alerts

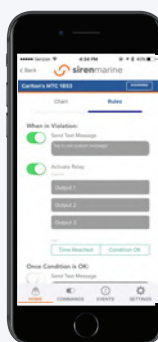Receive instant
push notifications
when a critical
event occurs

Settings

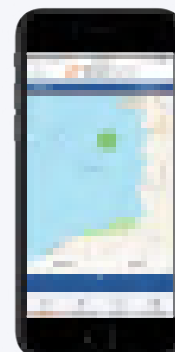Customize your
preferences and
connect with your
boat

Individual
Sensor
Details

Create user-
defined custom
settings and
thresholds

Powerful
Sensor Rule
Sets

Ability to apply
rules to relay
controls

Geofencing

Set multiple
Geofence
Boundaries

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Ideal for Charter Companies, Boat Clubs, and Commercial Fleets

Cloud Based
Multiple users can access fleet information

Security
Monitor unauthorized use, entry, and theft

Geo**fence** Notifications
Receive alerts when vessels move in or out of pre-determined areas

Maintenance
Maintain an efficient fleet with access to system metrics

GPS Breadcrumb Tracking
Track current position and breadcrumbs of individual boats

Accessible
Available on PC, Tablet, or Phone

Check out the collection of boat vapor detectors we offer.