

# CBM-1

## Enclosure

### Physical dimensions

All high impact plastic enclosure with waterproofing gasket and molded cable gland.

Weight:

Operating Temp:

Storage Temp.

4" x 2.5" x 7/8" approx.

Yes

op -4 to 145 F

-40°F to -185°F (-40°C to 85°C)

## Tracking / GPS

Built-in GPS gives GPS location delivered by SMS.

GPS receiver built in, with internal antenna

Geofence capability enables an imaginary perimeter to be set around an asset's position. If the asset moves outside the boundary (fence) the Siren Unit responds with an immediate "Transgression" SMS (Text) message followed by position messages at preset time or distance intervals.

Current asset position can be polled at any time from user's cellphone. Devices will respond with Lat and Long info, speed, course and Altitude. Position is delivered as a hyperlink for instant plotting onto Google Map.

Geofence Limits

Factory presets:

Yes

Yes

Yes

Yes

User defined with 15m minimum radius limit.

Geofence Radius = 100 meters

Timed reports after Geofence transgression every 5 minutes.

Distance-based reports disabled but can be user activated.

## Messaging

Direct CBM1 to cellphone SMS service. No message center, no monitoring fees, no GPRS servers, no Internet and no wired phone lines are required.

Email is supported where networks publish an SMSC Gateway phone number.

Prepaid cards are supported.

Factory preset messages according to switch assignment.

Messages are user-changeable.

Sends SMS message to up to 4 recipients

Yes

Only out of North America

Yes

yes via SMS Messages and USB

Yes

## Input Monitoring Functions

Any contact opening or closing can be sensed.

All messages are factory defaulted but easily changed by user via text message.

Default Factory input switch settings

Sw#1:

Sw#2:

Sw#3:

Sw#4:

Sw#5:

Sw#6:

Bilge level Float

Door/Hatch Entry

Hour Count

Snap Sensor

Shore Power

Spare

## Remote Control Outputs

Output 1

Output 2

Built-in RELAY that can switch 1 amp load. Same voltg as supply voltage of the main unit.

Designed to control an external relay for remote switching of any load and voltage.

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## Telemetry

Telem#1:

External Power source voltage (Ship's Battery).

## Other features

Secure system only allows user-registered devices to operate on system.

Four (4) phone number call directory.

Built in Temperature sensor delivers SMS of temp in C/F degrees.

Yes

Yes

-40°F to -185°F (-40°C to 85°C)

Also Max & Min recorded temp over set period.

Temperature (Low/Normal/High) alarms factory set, user adjustable.

Internal Backup battery presentage delivered by SMS.

GSM and GPS signal levels and status delivered by SMS.

All Latitude and Longitudes delivered as Google Map hyperlinks.

Power Loss and Power recovery alarm delivered by SMS.

Allows checking of prepaid simcard balance remotely, where network permits.

Phonebook inter-messaging

Languages.

Offers backup, download and cloning functions.

input switch programable delay

User HELP messages sent by request.

User-definable periodic report delivers all readings and device states as one SMS message.

Command Language Interpreter accepts multiple embedded commands in text messages for execution. Includes programmable Wait periods, switch activation and output control commands.

Yes

Yes

Yes

Yes

Yes

Yes - network dependent

yes

English

Using mini-USB Cable and custom software (dealer only)

yes

yes

Yes

Yes

## Technology

Utilizes latest Swiss GSM and GPS technology.

Quad Band GPS 850MHz/ 900MHz/ 1800 MHz/ 1900MHz:

Receiver sensitivity:

Transmitter power:

Yes

Yes

-110dBm

2 Watt EGSM/GSM 850

1 Watt GSM 1800/1900

Yes

Yes by special order

Single multi-core waterproof cable provided.

5/16 ring terminal connectors

12 to 24Vdc

below 40 mA typical quiescent

1,800 mAh Li Ion Built-in. Up to 4 days reserve. \*varies with charge state, temperature and battery age.

Yes

Intelligent Battery management