

# SMS200

## Short Message Service (Text) Module

Maretron's SMS200 is a cellular modem that offers text message notifications from your vessel's NMEA 2000® network to your phone. The SMS200 works together with Maretron's dedicated displays – DSM Series Displays or N2KView® based software running on either the MBB Series Black Box, TSM Series Touchscreen Displays or a PC, to define programmable alert conditions from sensors interconnected on an NMEA 2000® network. The DSM Displays or N2KView® software instructs the SMS200 to connect to the cellular network and transmit an alert message to selected telephone numbers. Whether it is high bilge water, low battery voltage, unplugged shore power, or an opened hatch or door, the SMS200 quickly alerts you to conditions on board your vessel that require attention anywhere you have cellular network coverage.

You can also send a text message to your vessel and, with the proper sensors installed, the SMS200 will respond with status information including the vessel's position, bilge status, battery voltage, shore power voltage, wind speed, inside temperature, and outside temperature. Additionally, N2KView can be configured to respond to text messages with more complex sentences to allow you to query virtually any NMEA 2000 parameter. You can specify command strings and the text of the corresponding response messages with parameters that are replaced dynamically by their values when the response message is sent.

The SMS200 works with most LTE services in North America, Mexico, and the Caribbean (consult cellular service providers for coverage details).

### Product features:

- IP67 Protection
- Programmable alerts (alarms or warnings) from Maretron installed displays and sensors on the vessel automatically trigger text messages which are sent to your phone
- SIM card is pre-installed, which allows unlimited text messaging within the covered region. (User activation and monthly subscription is required.)

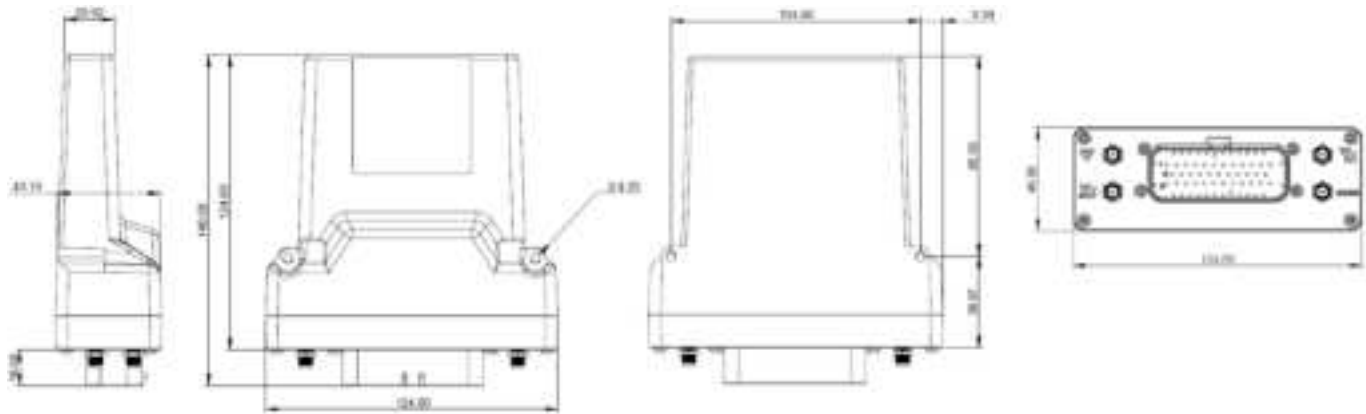
[www.maretron.com/sms200activation](http://www.maretron.com/sms200activation)



### PRODUCTS

| PART NUMBER | DESCRIPTION                                      |
|-------------|--|
| SMS200-01   | SMS (Text) Message Module 4G LTE (North America) |
|             | SMS200 to NMEA 2000 Adapter (Replacement)        |





## SPECIFICATIONS

| PARAMETER             | VALUE   | COMMENT                          |
|-----------------------|---|----------------------------------|
| NMEA 2000® Connector  | DeviceNet Micro C                                   | With Included Adapter Cable      |
| Antenna Connectors    | SMA   | 1 x LTE                          |
| Cellular Technologies | NA/Canada - LTE FDD<br>B2/ B4/B5/ B12/B13/ B25/ B26 |                                  |
| SIM Connector         | Micro SIM   |                                  |
| Bluetooth             | v5.0  | Disabled by default (Future Use) |

## NMEA 2000® PARAMETER GROUP NUMBERS (PGNs)

| DESCRIPTION                | PGN#   | PGN NAME                                | DEFAULT RATE        |
|----------------------------|--------|---|---------------------|
| Periodic Data PGNs         | 130834 | SMS Status (Maretron Proprietary)       | 0.1 times/second    |
|                            | 130835 | SMS Text Message (Maretron Proprietary) | On Receipt          |
| Response to Requested PGNs | 126464 | PGN List (Transmit and Receive)         | N/A                 |
|                            | 126996 | Product Information                     | N/A                 |
|                            | 126998 | Configuration Information               | N/A                 |
|                            | 059392 | ISO Acknowledge                         | N/A                 |
| Protocol PGNs              | 059904 | ISO Request                             | N/A                 |
|                            | 060928 | ISO Address Claim                       | N/A                 |
|                            | 065240 | ISO Address Command                     | N/A                 |
|                            | 126208 | NMEA Request/Command/Acknowledge        | N/A                 |
|                            | 126720 | Device Configuration Information        | N/A                 |
|                            | 126993 | Heartbeat                               | 1 time / 60 seconds |
|                            | 130060 | Label                                   | N/A                 |
|                            |        |   |                     |

## ELECTRICAL

| PARAMETER                                 | VALUE         | COMMENT                        |
|---|---------------|--------------------------------|
| Operating Voltage                         | 9 to 32 Volts | NMEA Interface                 |
| Power Consumption (NMEA 2000® Connection) | < 250 mA      |                                |
| Load Equivalence Number (LEN)             | 5             | NMEA 2000® Spec. (1LEN = 50mA) |
| Reverse Battery Protection                | Yes           | ISO 17650-2                    |

## MECHANICAL

| PARAMETER              | VALUE  | COMMENT |
|------------------------|--|---------|
| Dimensions (H x W x D) | 5.51" x 4.88" x 1.77" (140mm x 124mm x 45mm) |         |
| Weight                 | 9.6 oz (272.2 g)                             |         |
| Enclosure Material     | Bayblend FR3010                              |         |

## ENVIRONMENTAL

| PARAMETER                | VALUE  |
|--------------------------|--|
| Degree of Protection     | IP67   |
| Operating Temperature    | -40°F - 158°F (-40°C - 70°C)                     |
| Storage Temperature      | -40°F - 185°F (-40°C - 85°C)                     |
| Temp & Humidity Test     | ISO 16750-4                                      |
| Vibration                | IEC 60068-2                                      |
| Electromagnetic Emission | Radiated per ISO 13766-1, Conducted per CISPR 25 |
| Electromagnetic Immunity | ISO 11452-2, ISO 11452-4                         |

## CERTIFICATIONS

| PARAMETER   | COMMENT                                      |
|---|--|
| NMEA 2000® Standard   |  |
| Maritime Navigation and Radio Communication Equipment & Systems | IEC 61162-3                                  |
| Maritime Navigation and Radio Communication Equipment & Systems | Tested to IEC 60945                          |
| FCC and CE Mark   | Electromagnetic Compatibility FCC KDB 996369 |