# SEACALL

## 7000G MF/HF DSC Controller



- **GMDSS Compliant**
- **Large, backlit LCD display provides complete information on incoming/outgoing calls**
- **Tactile keypad for ease of operation**
- **Multiple calling formats for routine and distress situations**
- **Quick recall memory function for the 45 most frequently called DSC ID codes, 45 Necode\* ID codes, 45 radio voice channels, and 8 DSC scan channels**
- **Log records 40 most recent incoming distress/urgency calls and 40 routine messages**
- **NMEA 0183 interface for transmitting your vessel position coordinates**
- **SEABUSS™ control interface for SEA SSB radiotelephones**
- **RS232 output for use with optional printer**

Since 1975, SEA has designed and manufactured leading edge marine communication equipment known throughout the industry for engineering excellence, reliability, and ease of operation. Now ship-to-shore and ship-to-ship Single Side Band communications are even more reliable and convenient.

SEACALL 7000G is a Digital Selective Calling device that enables ITU Class A DSC message transmissions and receive management with other DSC equipped HF/MF SSB radios.

Easily operated through its menu driven LCD display, SEACALL 7000G is used in conjunction with the SEA 7001G DSC Watch Receiver and SEA MF/HF SSB radios.

When Routine or Distress messages are received, SEACALL will sound a tone, log the call in memory, and transmit an acknowledgement through the SSB radio.

When navigational input from GPS or Loran-C is connected via the NMEA 0183 interface, SEACALL 7000G automatically includes vessel position co-ordinates with routine DSC calls and Distress messages.

During critical times when a distress signal must be initiated, SEACALL will transmit the call repeatedly until the distress is acknowledged.
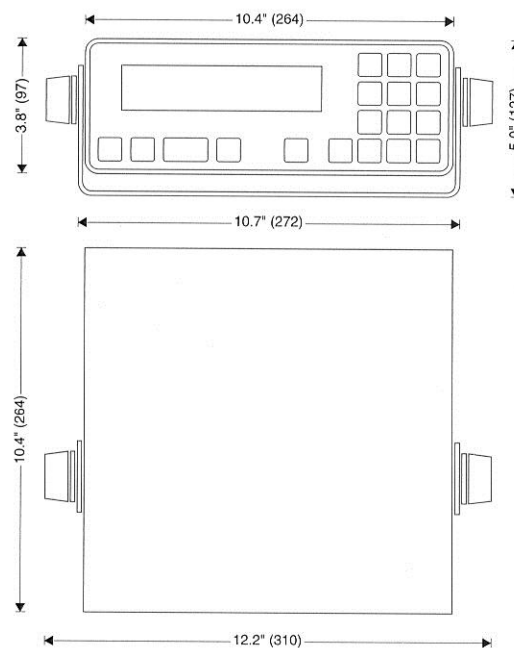
\* Necode is in the 7000 only.

# Specifications

### General 7000G

**Supply Voltage:** ................................12 Vdc +30, -10% (13.6 Vdc nominal), isolated chassis
**Current Drain:** ....................................1A maximum
**Operating Temperature Range:**........-15°C to +60°C
**Safe Compass Distance:**..................1 meter
**Navigation Interface:**.........................NMEA 0183 Version 2.0 compatible with Loran, GPS, and Transmit equipment. Reads RMA, RMC, GLL, GGA, and TRF sentence formats
**Position Update Interval:** .................1 minute
**Alarms:**..............................................One internal, output for 1 or 2 Watts remote speaker alarms, externally available uncommitted normally open relay contact
**Display:** .............................................40 character by 4-line backlit LCD
**Keypad:** .............................................18 key, backlit with audible feedback
**Clock:** ................................................Date and time of day, battery backed
**Calling Formats:** ...............................All formats per ITU Recommendation 493 Class A
**Audio Signal Output:**.........................0dBm nominal into 600Ω
**Audio Signal Input:**...........................0dBm ± 10db, 600Ω

### MF/HF 7000G Only

**FCC ID:** ........................................BZ6SEA7000
**ITU Recommendations:** ..............M.493 and M.541
**IMO Resolution:** …………………..A.804 and A.806
**MF/HF SSB Radio Interface:**.......Balanced receive audio, balanced transmit audio, push-to-talk, scan stop with software programmable polarity, SEABUSS™ control interface for SEA radios.
**Memory:** .......................................Nonvolatile memory for unit's DSC individual and group ID's, and Necode transmit and receive codes. Nonvolatile memory for 45 frequently called DSC ID's, 45 Neocde ID's, and 45 telephone numbers with associated alphabetic names. Nonvolatile memory for 45 radio voice channels and 8 DSC scan channels. Nonvolatile memory log for 40 most recent distress and urgent calls and 40 other calls.

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