



- **GMDSS COMPLIANT**
- **RS-232 OUTPUT TO PRINTER**
- **LARGE BACKLIT LCD**
- **INTERFACE TO R-2701 MF/HF WATCH RECEIVER**
- **NMEA 0183 INTERFACE**
- **LOGS 40 DISTRESS/URGENT AND ROUTINE MESSAGES**
- **MEMORY RECALL OF DIGITAL SELECTIVE CALLING (DSC) CODES**

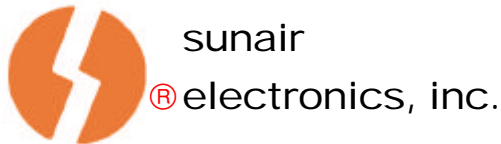
To serve the Safety of Life at Sea (SOLAS) requirements, Sunair has made ship-to-shore and ship-to-ship single sideband communication more reliable and convenient than ever using international CCIR recommendations for Digital Selective Calling (DSC). Easily operated through its menu driven LCD display the MD-2700 is used with the Sunair RT-9000A HF/SSB Transceiver and the MD-2724 is used with the Sunair RT-2400A HF/SSB Transceiver.

The MD-2700 and MD-2724 DSC Controllers provide the capability for a vessel or base station to transmit a call to another selected DSC equipped radio and receive confirmation of an established radio link. When routine messages are received, the DSC Controller will sound a tone, log the call in memory, and transmit an acknowledgement. With navigational input from GPS or Loran connected via the NMEA 0183 interface, the MD-2700 and MD-2724 will automatically include the vessel coordinates in both routine and distress messages.

At those critical times when a distress signal must be initiated, the system transmits the call repeatedly until the distress is acknowledged.

Sunair's MD-2700 and MD-2724 DSC Controllers are value added configurations of the GMDSS approved SEA 7000 MF/HF DSC Controller which provide 12 or 24 VDC operation (115/230 VAC optional), robust packaging, military type connectors, and SUNBUS interface for the Sunair Transceivers.

The R-2701 MF/HF Watch Receiver is available as an accessory used in conjunction with the MD-2700 and MD-2724. The R-2701 provides the ability to scan up to six DSC distress and safety frequencies automatically and continuously. This frees the RT-9000A or RT-2400A to be used for purposes other than scanning for distress calls.



# MD-2700/MD-2724 DSC CONTROLLER

## Product Specifications

### GENERAL

**SUPPLY VOLTAGE:** 10.8 to 16.3 VDC @ 1.8 A MAX  
or 20 to 30 VDC @ 1.2 A MAX

**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 Watt 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

**FCC ID:** BZ6SEA7000

**ITU RECOMMENDATIONS:** 493-4 and 541-3

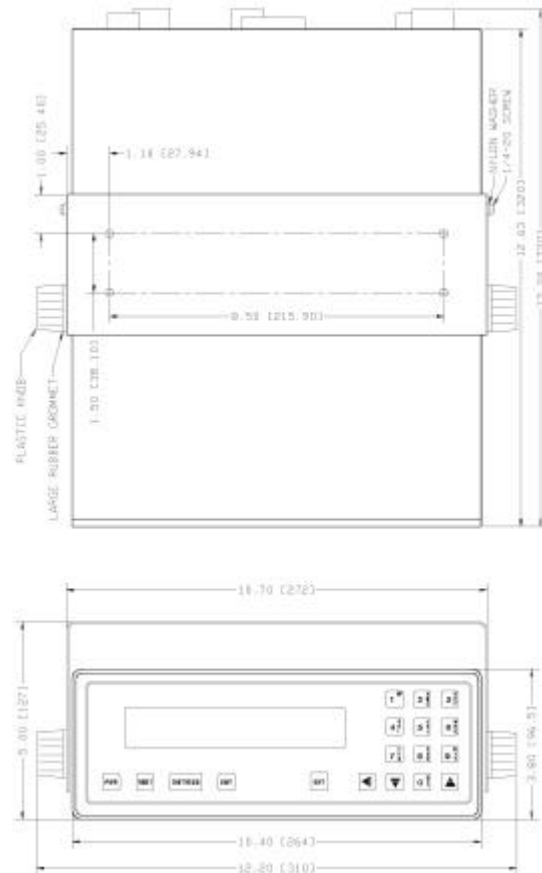
**IMO RESOLUTIONS:** A.694(17), A.610(15), and A.613(15)

**MEMORY:** Nonvolatile memory for unit's DSC individual and group ID's, and Necode transmit and receive codes. Nonvolatile memory for 45 frequency called DSC ID's, 45 Necode 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.

### PHYSICAL

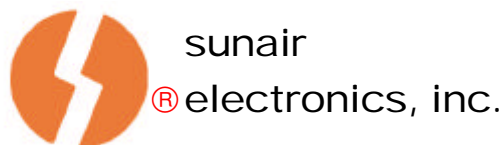
**WEIGHT:** 6 lbs (2.72 kgs)

**DIMENSIONS:** Inches, (cm)  
5.0 H x 12.2 W x 13.0 D  
(12.7 H x 31.0 W x 33.0 D)



### ACCESSORIES

R-2701 MF-HF Watch Receiver P/N 8108701091  
Internal AC P.S. 115/230 to 15 VDC P/N 8108637091



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