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GSM DUAL BAND 850/1900 DIGITAL CELLULARM SYSTEM

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RACO's Cellularm System represents the next generation of fixed cellular equipment designed to provide voice communications over the GSM 850/1900 Digital cellular network. The Cellularm System can be used for cellular telephone communications only, or it can be optionally equipped with a RACO autodialer to provide additional alarm monitoring and reporting capabilities.

Designed for temporary or permanent field use, the new system is ruggedly built and is housed in a heavy duty, weather-resistant enclosure. Fully equipped, the Cellularm System consists of a GSM Dual Band, 850/1900, Digital cellular transceiver, antenna, and one of RACO's family of autodialers packaged in a single, integrated unit.

It is the users responsibility to contact his local cellular dealer or service provider to determine the availability of a GSM 850/1900 network.

TECHNICAL SPECIFICATIONS

- ***Cellular Transceiver***

GSM dual Band 850/1900 Digital Transceiver, 15 month factory warranty.

- ***Frequency Ranges***

GSM 850 - Transmit 824-849 MHz, Receive 869-894 MHz

GSM 1900 - Transmit 1850-1910 MHz, Receive 1930-1990 MHz

- ***Operating Voltage***

6.0 VDC

- ***Transceiver Battery Backup***

One 6 volt 4 AH, sealed lead acid battery. External battery operation equals 8 hour active use, 14 hours standby.

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- **Antenna**

Cellularm is furnished with a flexible right angle, 2.0 dBi gain dual band dipole antenna, connected with a standard TNC connector. If system is to be located in a cellular fringe area or a hilly location, a higher strength antenna may be required (to be furnished separately).

- **Telephone Connection**

One standard RJ 11C connector provided for standard telephone set or autodialer. The user is to furnish splitter if both telephone set and autodialer are to be used together.

- **Environment**

Operating Temperature Range: -10 degrees C to +50 degrees C

Storage Temperature Range: -40 degrees C to +60 degrees C

Humidity Range: 5% to 95% (excludes batteries)

- **Enclosure Specifications**

Molded fiberglass with silicone gaskets NEMA 4X, CSA Type 3, 4, and 5; UL Approved

- **Overall Dimensions**

Guard-It System: 17-1/2" H x 15-1/2"

W x 6-1/4" D All Other Systems: 17-1/2" H x 14-7/8" W x 12-1/4" D

Mounting Centers: 16-3/4" vertical x 12" horizontal

- **Total Weight**

Guard-It System 29 lbs, all other Systems 49 lbs. Includes entire packaged system — fiberglass enclosure, cellular telephone with backup battery pack, and autodialer.