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TDMA DIGITAL TRI-MODE 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 TDMA 800 and PCS (TDMA 1900) Digital cellular networks and data communications over the AMPS 800 Analog 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 TDMA 800 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 TDMA 800 Digital network. In addition, if data as well as voice transmission is contemplated, availability of an AMPS Analog must also be confirmed.

TECHNICAL SPECIFICATIONS

• **Cellular Transceiver**

TDMA Digital Tri-Mode Transceiver, telephone handset programmable, 15 month factory warranty.

• **Frequency Ranges**

TDMA & AMPS Transmit 824-849 MHz, Receive 869-894 MHz

PCS (TDMA 1900) Transmit 1850-1910 MHz, Receive 1930-1990 MHz

• **Operating Voltage**

12.0 VDC

• **Transceiver Battery Backup**

Two 6 volt 4 AH, sealed lead acid batteries. External battery operation equals 5 hour active use, 18 hours standby.

• **Antenna**

Cellularm furnished with a flexible right angle, 2.5 dB gain antenna, connected to 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 by owner).

• **Telephone Connection**

One standard RJ 11C connector provided for standard telephone set or autodialer.

User 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: -25 degrees C to +65 degrees C

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

• **Enclosure Specifications**

Molded fiberglass with silicone gaskets NEMA 3, 4X, 12; 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.