



RACO Manufacturing and Engineering Co., 1400 62nd St., Emeryville, CA 94608 (510) 658-6713 800-722-6999 FAX (510) 658-3153

555BCELL-AC C800/1900

CDMA 800/1900 DIGITAL CELLULARM SYSTEM

October,2006

RACO's Cellularm System represents the next generation of fixed cellular equipment designed to provide voice communications over the CDMA dual frequency, 800/1900, 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 CDMA 800/1900 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 CDMA 800/1900 network. User must also specify the intended carrier when ordering to assure proper firmware is supplied.

TECHNICAL SPECIFICATIONS

- ***Cellular Transceiver***

CDMA 800/1900 Digital Transceiver, 15 month factory warranty.

- ***Frequency Ranges***

CDMA 800 Transmit 824-849 MHz, Receive 869-894 MHz

PCS (CDMA) 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 3.5 hour active use, 15 hours standby.

555BCELL-AC C800/1900

CDMA 800/1900 DIGITAL CELLULARM SYSTEM - Page 2

- **Antenna**

Cellularm furnished with a flexible right angle, 2 dB gain antenna, connected to a standard TNC connector (50 ohms). 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. 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% non condensing (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

Cellular Telephone only: 7.1" H x 8.3 W x 2.0 D

- **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.

Cellular Telephone only: 1.3 lb.