

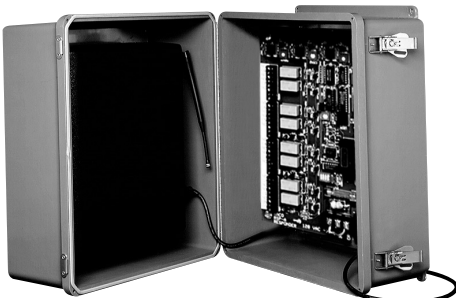
Cellularm

**Low cost wireless
communications
for your remote
monitoring needs**

Fixed cellular j



Verbatim



Responder



Catalyst

RACO's Cellularm System represents the next generation of fixed cellular equipment designed to provide voice and data communications over the cellular telephone 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 cellular phone transceiver, antenna, and one of RACO's family of alarm auto-dialers packaged in a single, integrated unit.

For voice communications, Cellularm is provided with a standard RJ11C plug-in connector to accept a standard telephone set. The cellular phone transceiver incorporated into the system is a high-quality 3-watt unit, which provides better communications reliability and much greater range than with conventional cellular handsets.

The system is only 17-1/2" high by 14-7/8" wide by 12-1/4" deep and weighs 33 lbs complete with transceiver and auto-dialer. It can be AC or DC powered, and backup battery power is standard for both transceiver and autodialer.

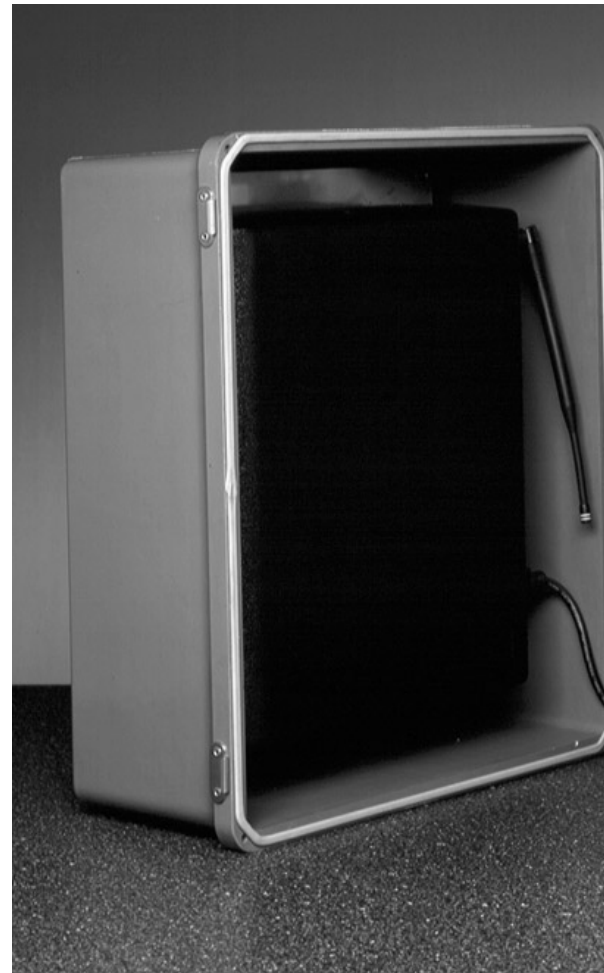
Advantages of Cellularm

SPEED OF INSTALLATION—The system is compact, easily transportable, and can be set up in less than an hour.

CONVENIENCE—The Cellularm works with any regional cellular carrier. It does not require any special training or operating instructions. It's easily set up, and when the job is done, simply move it to your next job. You can also program and test Cellularm's telephone service and alarm functions in advance of your trip to the job site.

COST EFFECTIVENESS—Cellularm is cost-effective when regular telephone service is unavailable or too costly to install, maintain, or use. Cellularm also is a good choice when transmission is of poor quality or when a backup to the traditional telephone network is desired.

SECURITY—Security systems utilize phone lines. Cut the phone lines and you have defeated the security system. With Cellularm there are no phone lines to cut.



A fully-equipped Cellularm system consisting of a cellular phone transceiver, antenna, and optional RACO Verbatim Alarm Autodialer packaged in a single, integrated unit. The Cellularm System is designed to accommodate all major cellular carriers featuring full microprocessor-based operation. It can be AC or DC powered, and backup battery power is standard for both transceiver and autodialer. The system is only 17-1/2" high by 14-7/8" wide by 12-1/4" deep and weighs 33 lbs complete with transceiver and auto-dialer. It can be AC or DC powered, and backup battery power is standard for both transceiver and autodialer.

Just got easier!



ing of cellular phone transceiver, antenna, and
aged in durable, weather-resistant housing.
omodate one of RACO's family of alarm autodi-
ation with convenient user programmability
ard touch tone phone.

Alarm Autodialing and Remote Monitoring

When optionally equipped with one of RACO's family of alarm autodialing systems, the Cellularm System permits alarm autodialing and remote monitoring over the cellular telephone network. If an alarm occurs, a RACO Autodialing System will automatically call a list of pre-programmed phone numbers, calling each number in turn until it gets an answer. When answered, the system reports the station identity and alarm condition by way of a digitally recorded voice message. Called stations can include standard phones in the office, plant, or home, as well as pagers, other cellular phones, and voicemail systems. And in addition to alarm reporting, the user can call in at any time from any standard touch tone phone get the present status of all monitored functions.

Reducing Cellular Costs

Many cellular providers offer corporate airtime packages, low usage plans, and even unlimited, flatfee airtime usage which can minimize system costs. Thus, by custom tailoring your backup protection program to your needs, there are no "wasted" monthly expenditures for costly leased telephone lines or private network solutions. Further, cellular airtime can actually be less expensive in some toll calling situations when taking advantage of cellular super systems, wide area and

unlimited usage calling plans, and area code versus cellular coverage differences. Actual savings will depend upon factors unique to your service area.

Cellular Reliability

While there are no guarantees that the cellular network will survive various natural and man made disasters, the cellular industry's reputation for survivability is growing almost daily. There are two cellular service providers in every license area. Typically, one or both are owned and operated by major telephone companies that have designed their cellular systems to survive hurricanes, earthquakes, and landline telephone company failures. Cellularm can protect your business from telephone network outages by providing a backup, alternative route for crucial voice and data communications circuits.



Chatterbox



Guard-It



Verbatim Gateway



Cellularm

Technical Specifications

Cellular Transceiver Specifications

- **Cellular Transceiver**
Analog for Amps, 3 watt,
telephone handset programmable,
15 month factory warranty.
- **Transceiver Battery Backup**
Two 6 volt 4 AH, sealed lead acid batteries. Internal battery operation equals 1 hour active use, 8 hours standby.
- **AC Input Range**
Voltage: 90 to 260 VAC
Frequency: 47 to 440 Hz
Power: 14.4 VDC
- **Transceiver DC Power Consumption**
Operational—3 amps
Standby—500 ma
- **Antenna**
Cellularm furnished with Centurian Model CXR 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 might 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°C to +55°C
Storage Temperature Range:
-25°C to +65°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**
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**
33 lbs
Includes entire packaged system—fiber glass enclosure, cellular telephone with backup battery pack, and autodialer.

Options

- **Autodialer**
For alarm calling over the cellular network, the Cellularm System may be optionally equipped with a RACO Automatic Dialing and Remote Monitoring System.
Autodialer technical information available from factory.
- Standard touch tone telephone set required to program.
* User must arrange for analog cellular phone service with a local provider. Standard telephone set to be furnished by user.

SINCE 1948
RACO[®]
REMOTE ALARMS AND CONTROLS

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