



Cellularm

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

Fixed cellular just got easier!



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 autodialers 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 transceivers used in the Cellularm system include Analog, AMPS, Digital CDMA, TDMA Dual and Tri-mode as well as GSM units, assuring reliable operation wherever cellular telephone service is available.

The system is only 17-1/2" high by 14-7/8" wide by 12-1/4" deep and weighs 49 lbs complete with transceiver and autodialer. 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 cellular phone transceiver, antenna, and optional RACO Verbatim Alarm Autodialer packaged in durable, weather-resistant housing.

The Cellularm System is designed to accommodate one of RACO's family of alarm autodialers featuring full microprocessor-based operation with convenient user programmability from the front panel or from any remote standard 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 Transceivers Available

- **555BCELL-AC** Amps 800 MHz analog phone capable of voice as well as data transmission through a standard RJ11 connection. It has an internal AC power supply and battery backup system. It uses a cellular 3-watt transceiver.
- **555BCELL-DC** Amps 800 MHz analog phone capable of voice as well as data transmission through a standard RJ11 connection. It has an external DC power supply and battery backup system. It uses a cellular 3-watt transceiver.
- **555BCELL-AC-C800** 800 MHz digital phone. It is capable of voice communication only, through an RJ11 connection. It has an external power supply and an internal battery backup system. It uses a 0.2-watt digital transceiver.
- **555BCELL-AC-C1900** 1900 MHz digital phone. It is capable of voice communication only, through an RJ11 connection. It has an external power supply and an internal battery backup system. It uses a 0.2-watt digital transceiver.
- **555BCELL-AC-TDM** 800 MHz / 800 MHz digital dual-mode phone. It is capable of voice as well as data transmission through a standard RJ11 connection. It has an external power supply and battery backup system. It uses a 0.6-watt digital dual-mode transceiver.
- **555BCELL-AC-TTM** 800 MHz/800 MHz/1900 MHz tri-mode digital phone. It is capable of voice as well as data transmission through a standard RJ11 connection. It has an external power supply and battery backup system. It uses a 0.6-watt digital tri-mode (The AT&T Version of this phone is capable of voice communication only).
- **555BCELL-AC-G1900** is a GSM 1900 MHz digital phone. It is capable of voice communication only, through an RJ11 connection. It has an external power supply and battery backup system. It is a 6 VDC unit and uses a 1-watt GSM transceiver.

Detailed specifications are available at racoman.com, or by consulting the factory.

It is the users responsibility to determine the types of cellular service available in his area and to select the appropriate cellular transceiver.

- **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**
All models except the Guard-It Cellularm
17-1/2" H x 14-7/8" W x 12-1/4" D

Guard-It Cellularm
17-1/2" H x 15-1/2" W x 6-1/4" D
- **Mounting Centers**
16-3/4" vertical x 12" horizontal
- **Total Weight**
All models except the Guard-It Cellularm
49 lbs.
Includes entire packaged system; fiber glass enclosure, cellular telephone with backup battery pack, and autodialer.

Guard-It Cellularm 29 lbs.

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.

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RACO[®]

REMOTE ALARMS AND CONTROLS

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