

# Cell-Alert™ 2100

WIRELESS INTERNET MONITOR



Cell-Alert Model 2100 with Optional ACR-201 Relay Interface

- Water and Air Quality
- Wells
- Lagoons, Streams and Levees
- Storm Water
- Remediation
- Weather
- Agriculture
- Municipal Utilities
- Irrigation
- Security

The **STRISON** Cell-Alert 2100 Wireless Internet Transceiver is a low-cost yet full-featured wireless telemetry solution for the **most demanding monitoring applications**. The unit is housed in a NEMA 4X stainless steel enclosure for reliable operation in the harshest environments. A variety of antennas are available to assure reliable communications.

The Cell-Alert 2100 transmits **digital** data in real time via the **existing North American cellular infrastructure** to the **STRISON Internet-based Operations Center**. The Center operates around the clock to receive data from transmitting units for processing, analysis, reporting and alarm notification.

Alarm events are **immediately** transmitted to pagers, cellular phones or other devices as desired by the customer. Back-up battery ensures **power fail alarm** transmission under any power loss.

Data reports are transmitted at regular intervals as desired by the customer. Customers can access **summary and detail data for all sites** through the secure **STRISON** web site, and have summary reports automatically e-mailed to them. Sophisticated measuring, timing and alarm algorithms programmed in the Cell-Alert 2100 make it the best solution to all your monitoring needs.

**STRISON**  
WIRELESS SYSTEMS

**STRISON WIRELESS SYSTEMS, LLC.**  
1302 N. O. HENRY BLVD. (U.S. 29 N.) • GREENSBORO, N.C. 27405 • U.S.A.  
TEL: (336) 279-1070 • FAX: (336) 272-4521 • EMAIL: [wireless@strison.com](mailto:wireless@strison.com)  
<http://www.strison.com>

# Cell-Alert™ 2100

## WIRELESS INTERNET TELEMETRY

### GENERAL INFORMATION

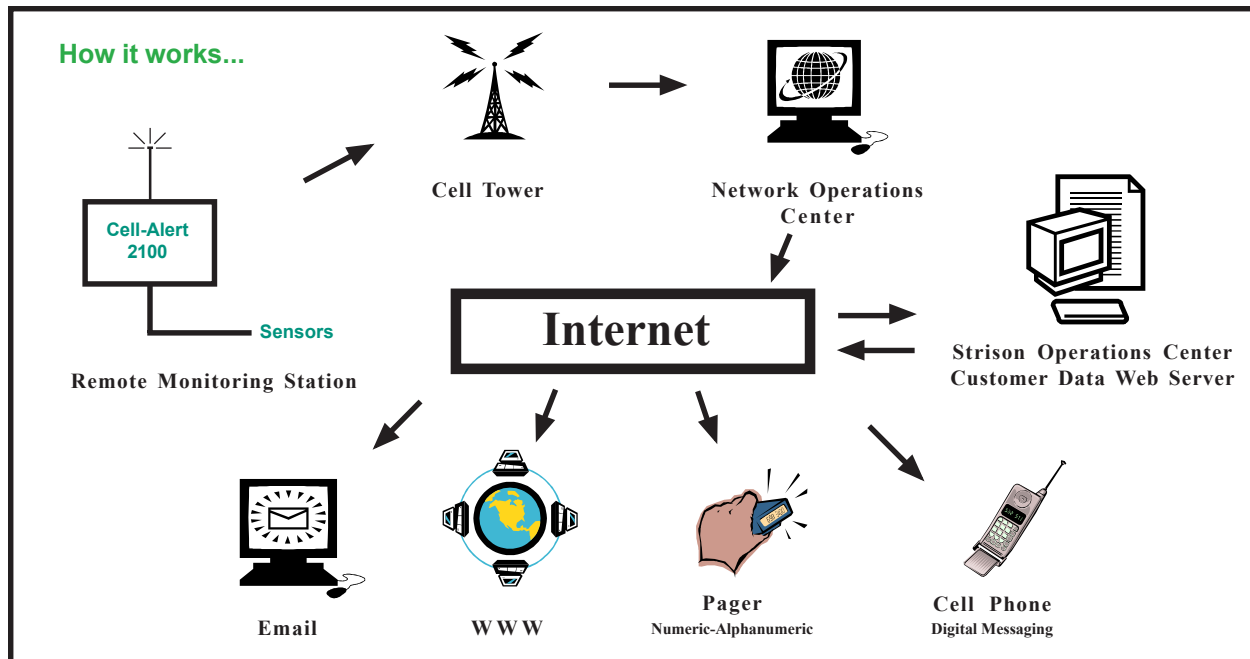
The Cell-Alert 2100 Remote Transmitting Unit provides essential monitoring solutions for the **most demanding applications**. Four analog/digital inputs and one pulse/digital input are easily configured to monitor pumps, levels, flows and currents. The optional hand-held **Field Terminal** with keyboard provides convenient display of and access to current values and configuration parameters for installation and maintenance operations.

The Cell-Alert 2100 is designed for installation in the harshest environmental conditions. **Years of field experience** show the Cell-Alert 2100 to perform reliably through adverse weather including **hurricanes, ice storms, severe electrical storms and conditions of high temperature and humidity**. Extensive design and packaging precautions make the Cell-Alert 2100 **immune to RFI** (radio frequency interference) **and EMI** (electromagnetic interference), and the NEMA 4X SS enclosure provides maximum protection from the elements. A wide variety of sensors are available to monitor turbidity, chlorine, pressures, temperatures, humidity, weather data, levels and flows.

The input flexibility of each channel of the Cell-Alert 2100 ensures that all critical functions are monitored for virtually any application.

### SPECIFICATIONS

<b>Power Requirements</b> .....	12 VDC ( $\pm 10\%$ ) @ 1.5 A
<b>Power Consumption</b> .....	15.6 Watts (Transmitting) 1.62 Watts (Stand-by Mode) 36 microWatts (Sleep mode)
<b>Power Sources</b> .....	Power Supplies PS-201, PS-202 or AC Relay Interface Type ACR-201 (85-265VAC, 50- 60Hz); solar power
<b>Mechanical</b> .....	3.875" (98.4mm) Deep 7.25" (184.2mm) Wide 11.125" (282.6mm) High 6.0 lbs. (2.72 kg)
<b>Environmental</b> .....	-30°C to 60°C Operating -50°C to 110°C Storage 5% to 95% RH non-cond. IP65 (NEMA 4X) SS enclosure
<b>Inputs</b> .....	4 Analog/Digital Inputs 0-5 or 0-15 VDC, 4-20mADC jumper selectable ranges, digital/pulse input (also active in sleep mode)
<b>Serial Interface</b> .....	RS-232C/TTL



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