Cell-Alert 2000 with Optional ACR-201 Relay Interface

The STRISON Cell-Alert 2000 Remote Transmitting Unit is a comprehensive and robust wireless telemetry solution for the most demanding monitoring applications. The input flexibility of each channel, the integral display, and the control output functions offer unmatched capabilities for remote monitoring in a single unit.

The Cell-Alert 2000 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 field units for processing, analysis, reporting and alarm notification.

Alarm events are immediately transmitted to pagers, digital cellular phones or other devices as desired by the customer. The 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 at any time 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 2000 make it the best solution to all your monitoring needs.
**GENERAL INFORMATION**

The Cell-Alert 2000 Remote Transmitting Unit provides comprehensive monitoring solutions for the most demanding applications. The integral **LCD display with keyboard** provides convenient access to current values and parameters for installation and maintenance operations. The optional **serial expansion bus** allows the addition of multiple input and output cards, making it adaptable to virtually all remote monitoring applications. A variety of optional accessories are available to facilitate installation in both new and retrofit applications.

The Cell-Alert 2000 is designed for installation in the harshest environmental conditions. **Years of field experience** show the Cell-Alert 2000 performs 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 2000 **immune to RFI** (radio frequency interference) and **EMI** (electromagnetic interference).

The inherent input flexibility of each channel of the Cell-Alert 2000 system ensures that all critical functions can be monitored in virtually any application. The unit is easily configured to accept a wide variety of sensor inputs to monitor turbidity, chlorine, pressures, temperatures, humidity, weather data, currents, levels and flows.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td><strong>Power Requirements</strong></td>
<td>12 VDC (±10%) @ 1.5 A</td>
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<tr>
<td><strong>Power Consumption</strong></td>
<td>18 Watts (Transmitting)</td>
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<tr>
<td><strong>Power Sources</strong></td>
<td>Power Supply Type PS-201, PS-202 or AC Relay Interface Type ACR-201 (85-265 VAC, 50-60 Hz); solar power</td>
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<tr>
<td><strong>Mechanical</strong></td>
<td>4.25&quot; (108mm) Deep</td>
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<tr>
<td><strong>Environmental</strong></td>
<td>-30°C to 60°C Operating</td>
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<tr>
<td><strong>Inputs</strong></td>
<td>6 analog/digital inputs 0-5, 0-15, 0-55 VDC and 4-20mADC jumper selectable ranges, 2 digital/pulse inputs</td>
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<tr>
<td><strong>Output</strong></td>
<td>1 or 2 Form C contacts, 0.3 A @ 125 VAC, 1 A @ 30 VDC</td>
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**How it works...**

Cell-Alert 2000

Cell Tower

Network Operations Center

Internet

Cell Phone

Pager

WWW

Email

Remote Monitoring Station

Sensors

Strison Operations Center

Customer Data Web Server

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