The CENTRON C1SC is a one-way radio frequency (RF) Personality Module that operates in the unlicensed 902-928 MHz frequency range using spread spectrum technology.

**FEATURES**

**Flexible Platform**
- Power outage notification supports the detection and restoration notification of power outages on the utility distribution network.
- The reverse flow detection feature is a diagnostic flag set upon the detection of power in the reverse direction and remains set in each data packet for 50 minutes.
- Supports advanced metering such as demand, TOU, and load profile in the CellNet fixed network.
- Assembled and programmed at the factory, requiring no additional programming by the user.
- Each interval is transmitted nine times through a sliding 45-minute window transmission scheme.

**Standard Features**
- Electronic LCD register
- Polycarbonate cover
- Test LED

**Option Availability**
- Glass cover

**Product Availability**

<table>
<thead>
<tr>
<th>Volts / Service</th>
<th>Meter Class</th>
<th>Test Amps</th>
<th>Kh (Pulse/Wh)</th>
<th>Form No.</th>
<th>Digits/Mult</th>
<th>Catalog Number</th>
<th>Catalog No. (Poly)</th>
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<tbody>
<tr>
<td>120V, 2-wire</td>
<td>100</td>
<td>15</td>
<td>1.0</td>
<td>1S</td>
<td>5x1</td>
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<td>98043</td>
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<td>240V, 3-wire</td>
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<td>30</td>
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<td>2S</td>
<td>5x1</td>
<td>98016</td>
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<td>1.0</td>
<td>2S</td>
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<td>98126</td>
<td>98127</td>
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<td>1.0</td>
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<td>1.0</td>
<td>26S</td>
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**SPECIFICATIONS**

### Dimensions

<table>
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<tr>
<th>Material</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polycarbonate</td>
<td>6.29&quot;</td>
<td>6.95&quot;</td>
<td>2.7&quot;</td>
<td>3.16&quot;</td>
<td>4.53&quot;</td>
<td>6.29&quot;</td>
<td>6.95&quot;</td>
</tr>
<tr>
<td>Glass</td>
<td>6.42&quot;</td>
<td>6.95&quot;</td>
<td>3.03&quot;</td>
<td>3.55&quot;</td>
<td>4.9&quot;</td>
<td>6.42&quot;</td>
<td>6.95&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polycarbonate</td>
<td>16 cm</td>
<td>17.7 cm</td>
<td>6.9 cm</td>
<td>8 cm</td>
<td>11.5 cm</td>
<td>16 cm</td>
<td>17.7 cm</td>
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<tr>
<td>Glass</td>
<td>16.3 cm</td>
<td>17.7 cm</td>
<td>7.7 cm</td>
<td>9 cm</td>
<td>12.5 cm</td>
<td>16.3 cm</td>
<td>17.7 cm</td>
</tr>
</tbody>
</table>

### Specifications

#### Power Requirements
- **Voltage Rating:** 240 V, 120 V
- **Frequency:** 60 Hz
- **Operating Voltage:** ±20%
- **Operating Range:** ±3 Hz

#### Transmitter Frequency
- 902-928 MHz Spread Spectrum

#### Operating Environment
- **Temperature:** -40° to +85°C
- **Humidity:** 0% to 95% non-condensing

#### Transient / Surge Suppression
- **ANSI C37.90.1-1989**
- **ANSI C62.45-1992**

#### Accuracy
- **ANSI C12.20 0.5 Accuracy Class**

#### General LCD Display
- **Five-digit Liquid Crystal Display**
- **Data Digit Height:** 0.4"
- **Annunciator Height:** 0.088"
- **Electronic Load Indicator**

#### Characteristic Data
- **Starting Watts:** 5 Watts
- **Meets ANSI C12.1 Section 4.7.2.9**

#### Temperature Rise Specifications
- **Meets ANSI C12.1 Section 4.7.2.9**

#### Burden Data
- **Voltage Circuit:** 1.35 (Form 1S, 2S)
- **Current Coil:** 0.5VA (All Forms)
- **1.55 W (Form 3S, 4S, 12S, 2S, 25S, 2S CL320)**

### Technical Reference Guide
- CENTRON C1S Specification Sheet
- CENTRON C1SR Specification Sheet
- CENTRON C1SD, C1ST, C1SL Specification Sheet
- Hardware Specification Form

### Technical Data
- **Meets applicable standards:**
  - **ANSI C12.1 - 1995**
  - **ANSI C12.10 - 1997**
  - **ANSI C12.20 (Class 0.5) - 1998**
  - **ANSI C37.90.1 - 1989**
  - **ANSI C62.45 - 1992**
  - **IEC 61000-4-4**
  - **IEC 61000-4-2**
  - **FCC Title 47, Part 15, Subpart C, Paragraph 247**

### Shipping Weights

<table>
<thead>
<tr>
<th>Material</th>
<th>4 Meter Cartons</th>
<th>96 Meter Pallets</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Polycarbonate</strong></td>
<td>8.9 lbs</td>
<td>214 lbs</td>
</tr>
<tr>
<td><strong>Kilograms</strong></td>
<td>4.04 kg</td>
<td>97.30 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material</th>
<th>4 Meter Cartons</th>
<th>96 Meter Pallets</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Glass</strong></td>
<td>13.96 lbs</td>
<td>335 lbs</td>
</tr>
<tr>
<td><strong>Kilograms</strong></td>
<td>6.35 kg</td>
<td>152.30 kg</td>
</tr>
</tbody>
</table>

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At Itron, we're dedicated to delivering end-to-end smart grid and smart distribution solutions to electric, gas and water utilities around the globe. Our company is the world’s leading provider of smart metering, data collection and utility software systems, with over 8,000 utilities worldwide relying on our technology to optimize the delivery and use of energy and water.

To realize your smarter energy and water future, start here: [www.itron.com](http://www.itron.com)

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