Locate and isolate transmission line faults instantly in looped networks.

Sectionalize your lines quickly by identifying the faulted section. In looped networks, this is accomplished by detecting and reporting fault direction. All direction indication arrows point to the fault.

**FEATURES**

- Ideal for looped and radial circuits
- Reports to SCADA over DNP3.0
- Mounts to existing poles, structures and switches with no ground level footprint
- Automated, remote, or manual switching
- Detects and reports direction of faults for: momentary, high impedance, overcurrent and on unbalanced networks
- Provides estimate of distance from measuring point

**SPECIFICATIONS**

**Fault Sensing Capabilities**
- Direction
- Overcurrent
- Lower Current Line to Ground Faults
- Momentary Faults
- Fault Distance Estimation
Smart Tap®
Fault Location Restoration
of Transmission Networks

Smart Tap provides direction information to SCADA through local RTU and SCADA communication network. Direction indicators can be displayed on the SCADA diagrams and to provide information to the operator to guide the sectionalizing switching steps.

<table>
<thead>
<tr>
<th>Ratings and Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicable Voltages</td>
</tr>
<tr>
<td>Fault Sensing Capabilities</td>
</tr>
<tr>
<td>Communications</td>
</tr>
<tr>
<td>Protocols</td>
</tr>
<tr>
<td>Current Sensing</td>
</tr>
<tr>
<td>Installation</td>
</tr>
</tbody>
</table>

**INTELLIGENT CIRCUIT SENSOR - ICS®**

- Smart Tap functions perfectly with the Southern States Intelligent Circuit Sensor - ICS
- The ICS provides real time waveform captures
- The digital algorithms for fault direction and distance detection are built into the ICS
- The ICS consists of:
  - Electronic current and voltage sensor
  - Receiving module
  - Substation hardened digital computer

**SYSTEMS INTEGRATION**

Smart Tap provides direction information to SCADA through local RTU and SCADA communication network. Direction indicators can be displayed on the SCADA diagrams and to provide information to the operator to guide the sectionalizing switching steps.