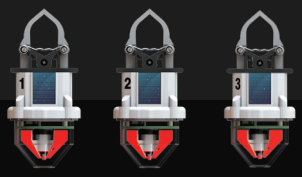


DRC-010

Smart Grid IoT Controller for Overhead Line Fault Indicator



Fault Indicator



UNIQUE

Core Capabilities

- Fast and Easy to Identify the Fault Location
- Receive Instant Alerts When Faults or Anomalies Occur
- Monitor Real-time Grid Data for Faster Decision-Making



How Can DRC-010 Address Challenges in Distribution Lines?

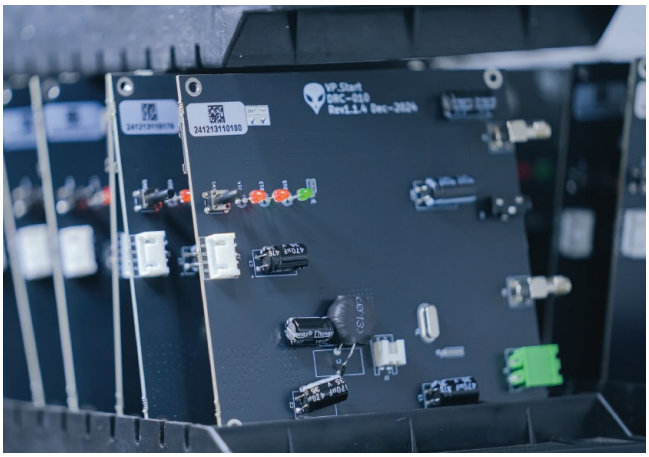
Overhead distribution grid networks commonly experience various types of faults; both temporary and permanent. These faults can arise from natural disasters, human errors, and other environmental issues. Consequently, managing these faults becomes a complex and time-consuming task for energy providers.



With the DRC-010, developed by VP.Start, the complexity of these operations is reduced, allowing utilities to better manage their overhead line sections through remote monitoring capabilities. The DRC-010 provides fast fault detection, enabling operators to quickly pinpoint the exact location of a fault. This is crucial for reducing the time spent locating faults, minimizing prolonged outages, and enabling faster restoration of power services—making electricity supply more reliable and trustworthy.



▲ Installation is quick and easy.



▲ DRC-010 board



What Are the Key Features of the DRC-010?

Real-Time Data Grid Monitoring

The DRC-010 shows real-time data on the powerlines, allowing utilities to monitor its condition in real-time. They also can set its parameters quickly or adjust the settings conveniently from a palm of their hand.

Fault Detection

The DRC-010 detects faults on the powerline, allowing operators to identify the fault location quickly. This capability reduces downtime while increasing the grid management more reliably.

DRC-010 Alarms Notification



Temporary Fault



Permanent Fault

Abnormal Detection

The DRC-010 provides instant alerts when having high current warning, DRC-010 Battery Low, Indicator Battery Low, Communication Maintenance.

Alarms When Anomalies Occur



Communication Maintenance



Battery Low



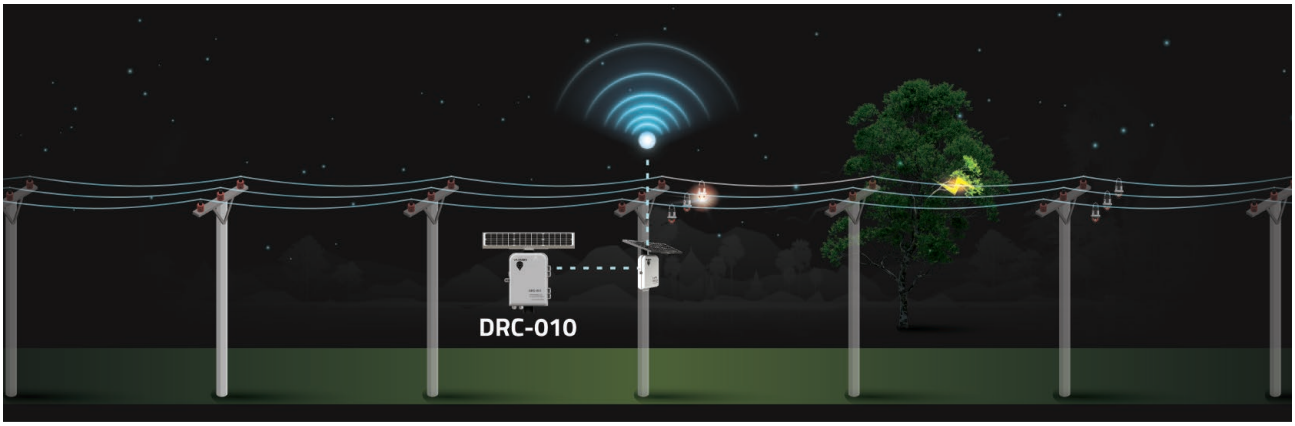
Current Warning

Indicator Supports

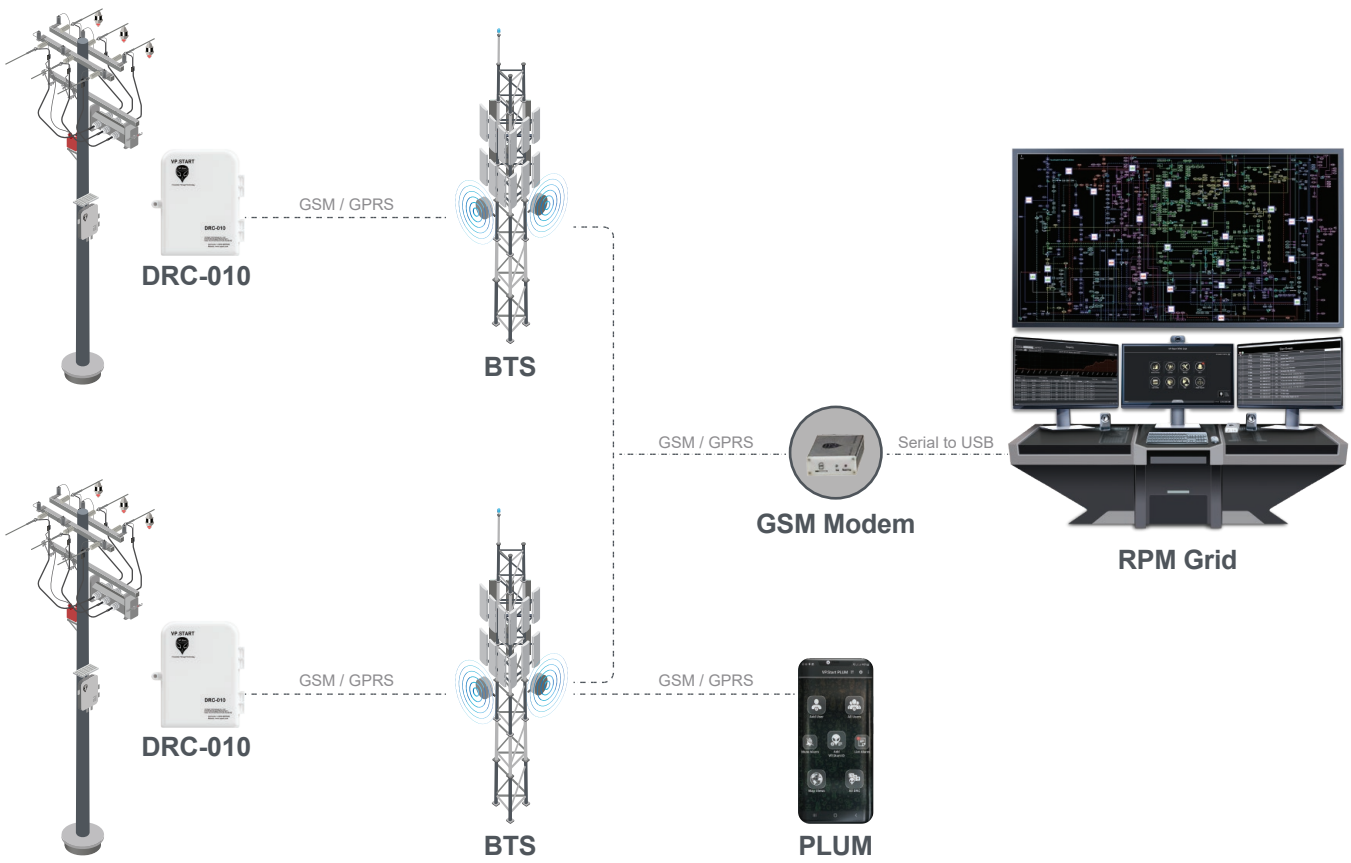
The DRC-010 supports up to 3 feeders with 9 fault indicators across the power lines, providing utilities with broader network visibility and faster fault identification across multiple distribution sections.

Map

The Map function allows operators to view the actual location of DRC-010. Operators utilize this feature to quickly locate DRC-010 when faults occur, making network management convenient and efficient.



System Architecture





▲ DRC-010 Installation