DRC-006

Smart Grid IoT Controller for Remote Terminal Units (RTUs) T200i



RTU T200i



UNIQUE

Core Capabilities

- Remotely Open/Close the RTUs
- Receive Instant Alerts When Faults or Anomalies Occur in RTUs
- Monitor Real-time Grid Data for Faster Decision-Making



What Makes the DRC-006 Standout?

The DRC-001 is a flagship solution of VP.Start developed since 2014 to modernize Schneider Auto Circuit Recloser (ACR) on medium voltage distribution lines, including 22kV & 35kV networks. As part of VP.Start's SIMA Smart Grid Solutions, DRC-001 transformed the traditional ACR operation into a digitally connected, remotely managed, and data-driven grid solution without replacing the existing equipment.



Utilities benefit from greater insights such as remote-control capabilities, line fault detection alarm, real-time data monitoring, and other vital information that help to minimize outages and increase electric grid reliability. These data-driven insights are crucial for operators to reduce power outages, mitigate energy losses, and make the overall grid network more resilient and reliable while also delivering great return on investment for utilities.



▲ DRC-006 quick install with RTU



▲ Installation is quick and easy



What Are the Key Features of DRC-006?

Remote Control Capability

One of the key features of the DRC-006 is its ability to provide seamless remote control, allowing operators to open or close the switchgear of the RTUs instantly.This cutting-edge device is capable of remote up to 4 units of switchgear through RPM Grid, or the PLUM App.

Quick Fault Detection

The DRC-006 provides quick information when faults occur including switchgear off, MV Absence, Phase Fault, and Ground Fault.
This capability makes the DRC-006 a trusted partner in mitigating potential risks, ultimately leading to reduced outages and leakages.

DRC-006 Alarms Notification



Switchgear Off | MV Absence | Phase Fault | Ground Fault

Abnormal Detection

The DRC-006 provides instant alerts when anomalies occur in RTUs, including MCB trips, door open, and other system errors. This real-time information enables operators to take proactive action, respond quickly to potential issues, and prevent minor problems from escalating into major disruptions.

Alarms When Anomalies Occur



MCB Trip | Door Open

Collect Real-time Data from RTUs

The DRC-006 collected real-time data from the RTUs, enabling operators to monitor the overall performance and ensure smooth operation. This innovative feature is crucial, as it allows operators to leverage data for better decision-making, ensuring seamless and reliable RTU operations.

RTU Event Logs

RTU Event Logs are the crucial function to keep various information from faults and operators' activities. This can be a vital document for grid management analysis, making the power grid management more resilient and expandable.

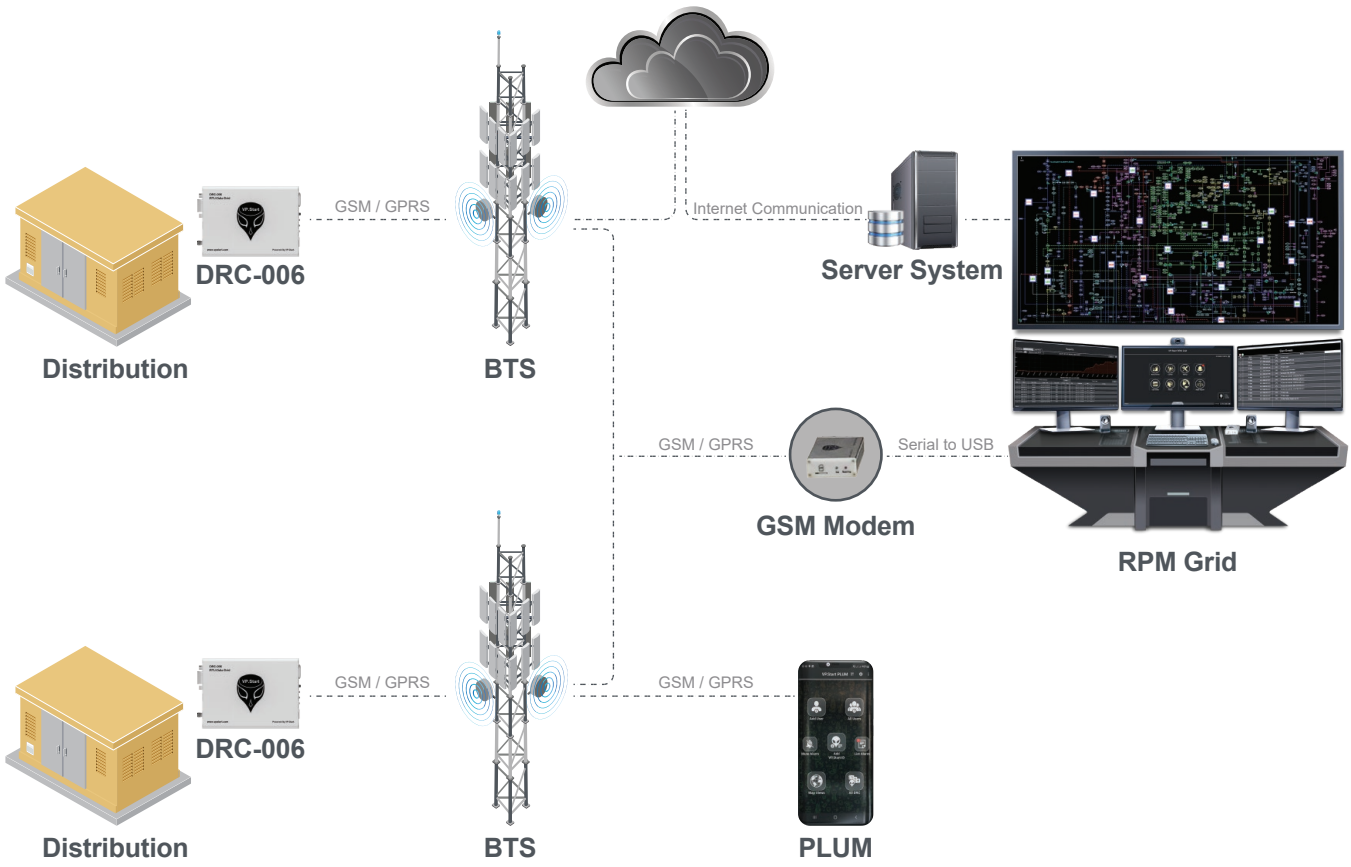
Map View

The Map function is another easy tool for operators to view the location of the RTUs using Google Maps. This advanced feature also helps operators quickly identify fault locations.

Single Diagram

Operators can now view the DRC-006's location on a simplified schematic layout. This feature enables electrical grid operators to quickly and accurately pinpoint fault locations.

System Architecture





▲ DRC-006 Connecting with RTU