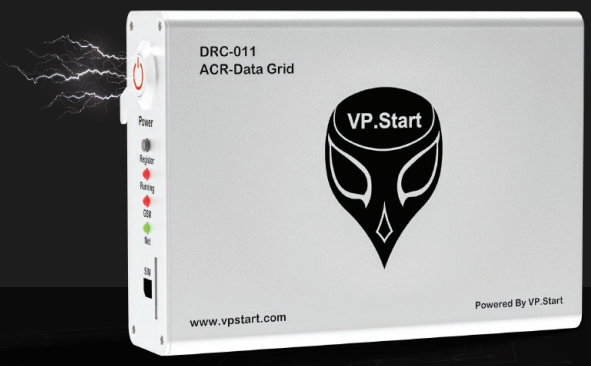


DRC-011

Smart Grid IoT Controller for ENTEC Auto Recloser





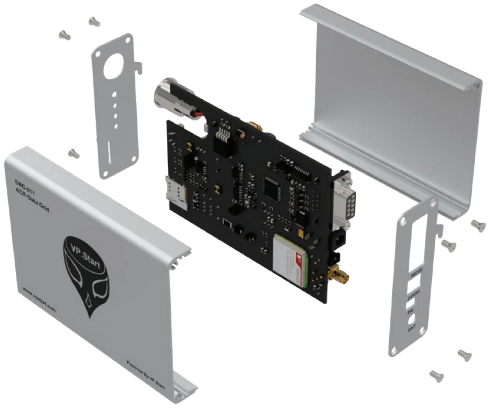
UNIQUE

Core Capabilities

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



What Makes the DRC-011 Standout for Managing Distribution Grid Network?



The DRC-011 is a next-generation smart grid IoT controller designed to digitally transform existing ENTEC Auto Recloser (ACR) on medium voltage distribution lines into a smart digital device. This innovative solution enables utilities to upgrade conventional electrical grid infrastructure into intelligent, data-driven systems—without costly replacements.

Through this innovation, VP.Start empowers utilities with technology that delivers measurable benefits including reduced operational costs, increased cost-efficiency, and enhanced grid sustainability.



▲ Plug-and-play installation



▲ Remote control and monitor by PLUM App



What Are the Key Features of the DRC-011?

Real-time Data Monitoring

Utilities now can oversee the entire status of ENTEC Auto Recloser in real-time without the need to manually inspect. With DRC-011, we provide an extensive data grid that is accurate and beneficial for utilities for strengthening their grid to make it more reliable.

Remote Control Capability

With the DRC-011, utilities do not need to travel long distances to trip/close the switchgear of ENTEC Auto Recloser anymore. They merely use a smartphone or our RPM Grid system to remote control rapidly and efficiently. This reduces operational costs and boosts the grid management to be more resilient and reliable.

Abnormal Detection

The DRC-011 detects failures or errors inside the ENTEC controller, providing utilities the information that can prevent potential risks that may happen with the controllers, reducing maintenance expense and outage time.

Fault Detection

Faults are the critical challenge for every utility. Getting quick information about those faults are still defects that prolong the outage duration. With the DRC-011, the information of faults is instantly detected. Operators receive the alarm notification of the faults fast and enable them to solve the problems quickly.

DRC-011 Alarms Notification



Switchgear Off | MV Absence | Communication Maintenance | Door Open | Battery Low | MCB Switch Off

Measurement

Measurement is an essential feature for monitoring and evaluating the power lines. Operators can gain valuable information such as current, voltage source, apparent power, real power, reactive power, and power factor that effectively track the network's performance.

Settings

The Setting function enables operators to remotely modify the parameters of ENTEC Auto Recloser from RPM Grid or the PLUM App. They don't need to manually adjust the settings of the Auto Recloser on-site any more.

Event Logs

Event logs automatically recorded all faults on the power lines and created reports for analysis to enhance grid management. It also recorded user activities to ensure the security of system operations.

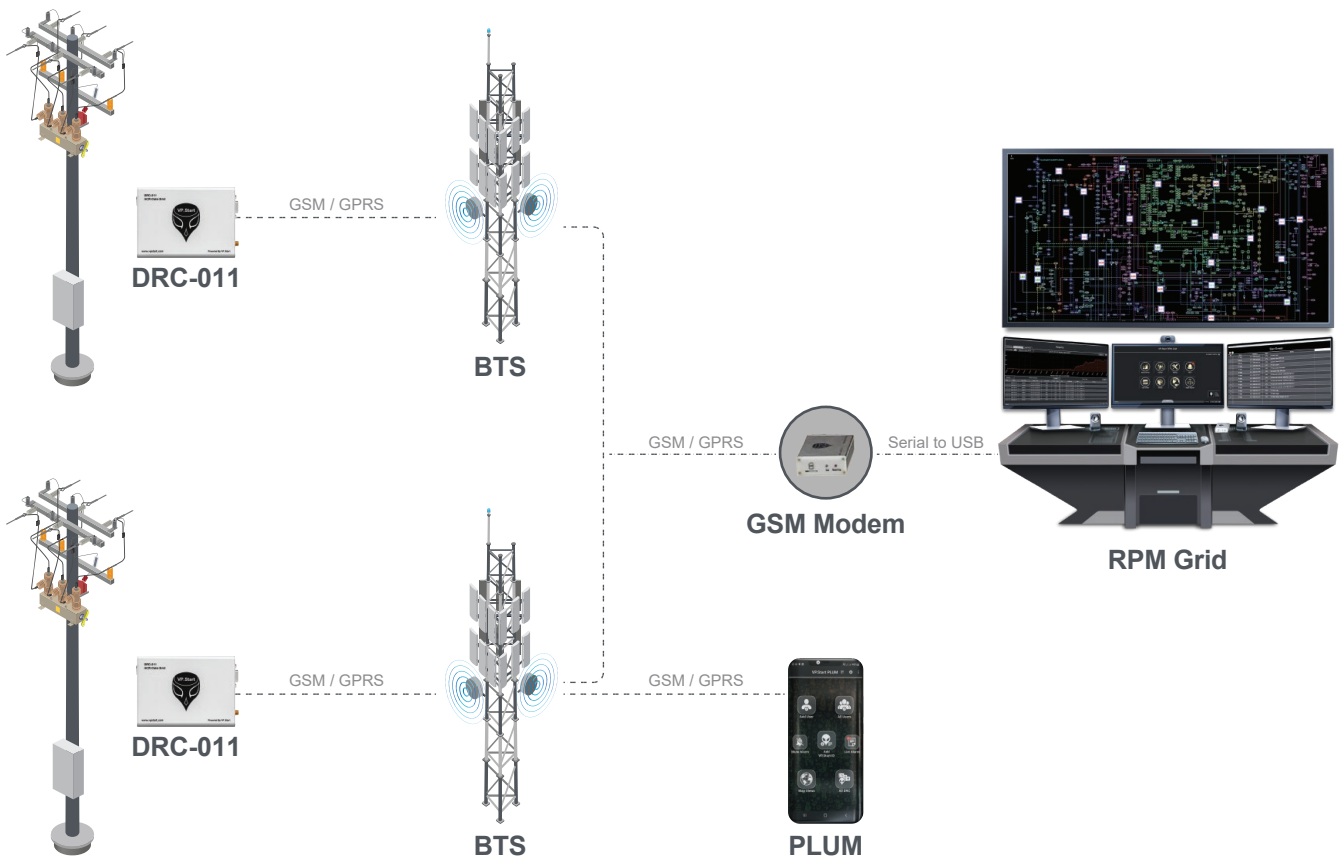
Map view

Map allows operators to pinpoint the actual location of DRC-011 easily and efficiently. Operators can easily notify the fault locations with this outstanding function as well.

Single Diagram

This function assists operators in easily identifying the fault section in Single Diagram, especially identifying the impacted area easily when any interruption happens.

System Architecture





▲ DRC-011 Installation