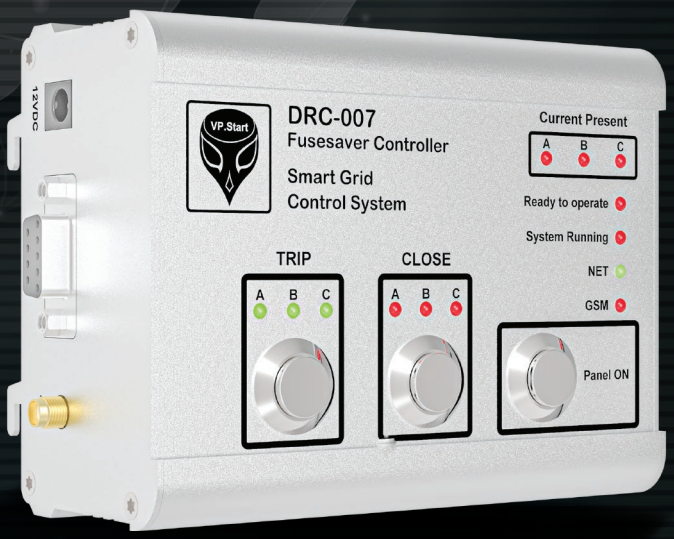
SMART GRID SOLUTIONS

SIMA Grid, SIMA City, SIMA Home, SIMA Universe, SIMA Big Data

DRCs ...

DRC-007



VP-DOC-S.CTL-DRC-007.EN-V2.1

Creating a one-stop eco-sustainability system to transform the entire conventional grids into digital smart grid systems that streamline electrical grid management, optimize efficiency, reduce operational costs, and increase cost efficiency, making the grid more reliable and sustainable.

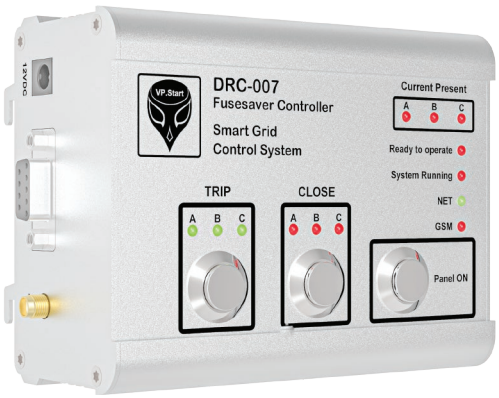
DRC-007

Smart Grid IoT Controller for Fusesaver

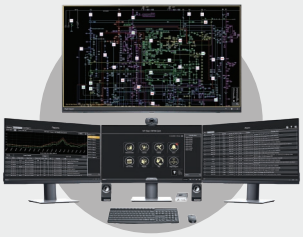
The DRC-007, developed by VP.Start, is the next generation innovation that has the ability to transform the traditional SIEMENS Fusesaver into a state-of-the-art controller.

Utilities can monitor real-time data, remote control, and receive alarm notification rapidly.

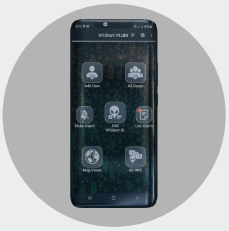
This smart grid device helps to reduce outages and leakages, reduce operational costs and revolutionize the management of Fusesaver to digital operation.



▲ DRC-007 Installation



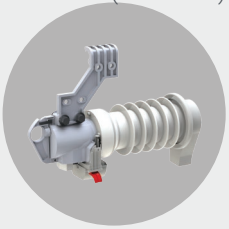
RPM Grid System



PLUM App

▲ DRC-007 Remote Control for SIEMENS Fusesaver

DRC-007
SIEMENS (3AD8423)



Fusesaver

Key Features

Remote Control Capability:

The DRC-007 provides remote control capabilities to Trip or Close the switchgear of SIEMENS Fusesaver through the RPM Grid or the PLUM App. This advanced function minimizes power disruption, enhances grid stability, and reduces the risks associated with manual operation.

Reporting & Event Logs:

This vital function automatically records faults occurring on the powerlines and generates reports for analysis to enhance grid management. Additionally, it also records the users' activities ensuring that the system operations are secured.

Instant Alarm Notifications:

When a fault occurs, the DRC-007 instantly sends an alarm notification to the operator's smartphone or the RPM Grid, enabling rapid response to minimize downtime. The alarms clearly highlight issues such as switchgear off, low battery, open doors and other various issues.

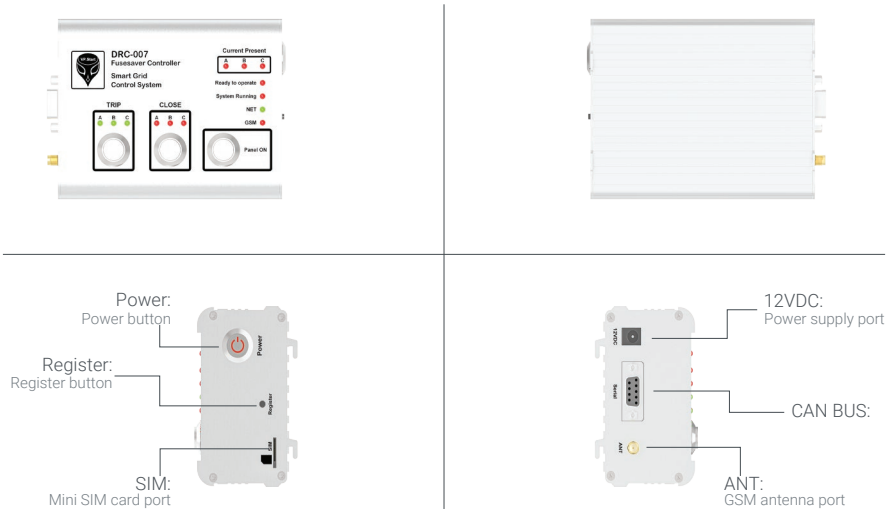
Map View:

The Map function is a powerful tool that allows operators to locate the Fusesaver using Google Maps. This advanced feature enables quick identification of fault locations, streamlining the troubleshooting process and enhancing operational efficiency.

Single Diagram:

Operators can now easily locate the DRC-007 on a clear schematic layout. This intuitive feature simplifies the process of identifying fault locations, providing operators to respond to those issues quickly and efficiently.

Product Look and Dimension



DRC-007 Alarms Notification

Switchgear Off

Battery Low

Door Open

Product Specification

Remote Control Unit

Power Supply Battery Type/Capacity	• 115 or 230VAC (±20%) 12VDC, 7.2Ah
Battery Hold Up Time	• 48h
Ambient Conditions	• -30 to 50oC
Humidity	• 5% to 95%
Dimensions (L x W x H)	• 320 x 400 x 650mm

Remote Control Functions

Control:	
Control Switchgear (Trip/Close)	• Yes

Reporting & Data Logs:	
Fault Reports	• Yes
User Event Logs	• Yes

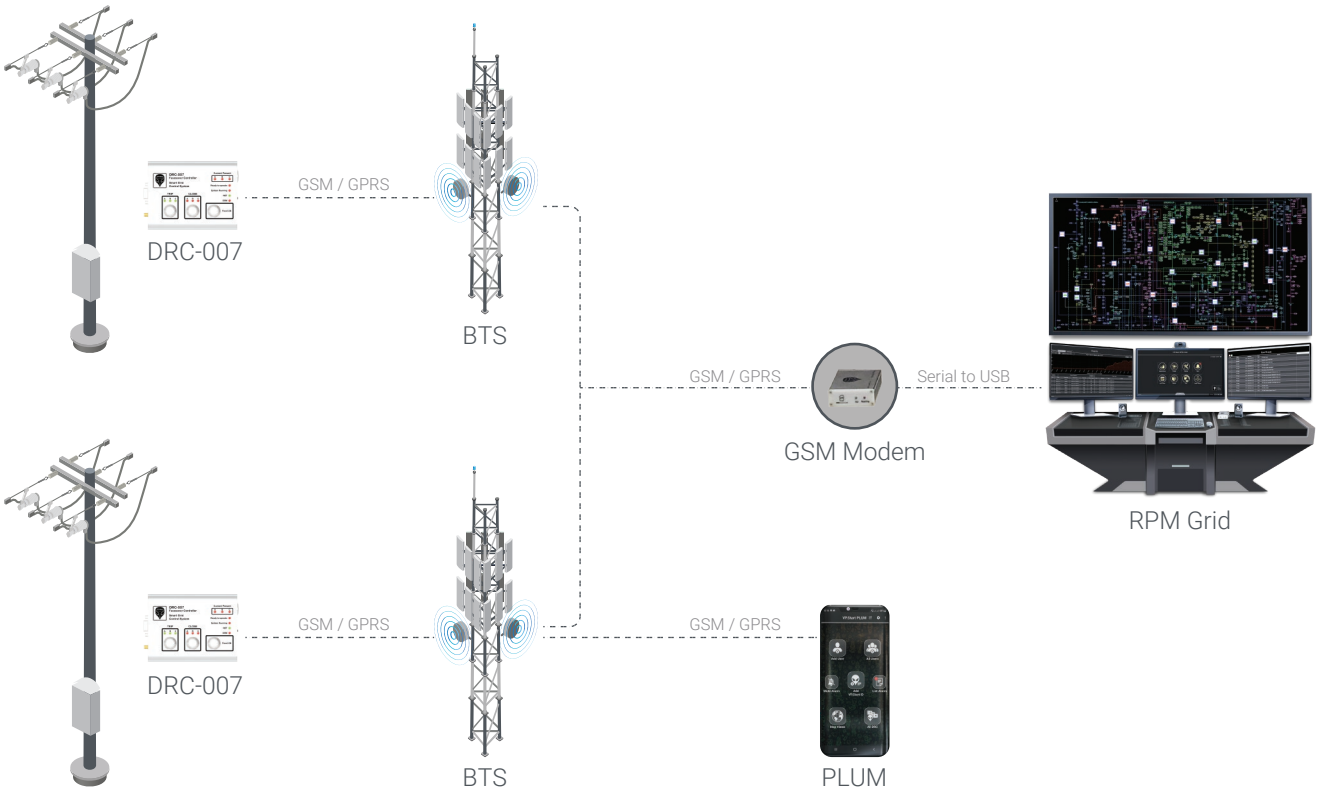
Alarm:	
Switchgear OFF	• Yes
Door Open	• Yes
Low System Battery	• Yes

PC Application
RPM Grid Software

SIEMENS
(3AD8423)

▲ DRC-007 Fieldwork Activity

System Architecture



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