

Remote Control of Distribution Network Automation



Overview

Remote-controlled switches (RCSs), as fundamental components of distribution automation, enable remote operation, rapid fault isolation, and load transfer, thereby significantly enhancing system reliability. This document offers a complete guide to Cisco's Smart Grid Field Area Network (FAN) solution architecture. It covers various ways this solution can be used, including: ● Monitoring secondary substations for scenarios like Fault Location, Isolation, and Service Restoration (FLISR) and Volt/VAR. A well-designed Distribution Automation (DA) system will help you get the most value out of assets such as voltage regulators' automated feeder switches, reclosers and capacitor banks. Standard protocols and interfaces make its connection to other systems straight forward. A comprehensive survey is conducted on the state-of-the-art applications of RCSs and smart meters in SDSs.



Article Content

The future of distribution network automation

Finally, the GWDD module offers digital inputs and digital outputs (i.e., remote-control outputs) that can be used to control and monitor 4 switching devices (disconnectors, circuit breakers, etc.).

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

