DISTRIBUTION AUTOMATION

Fault Management

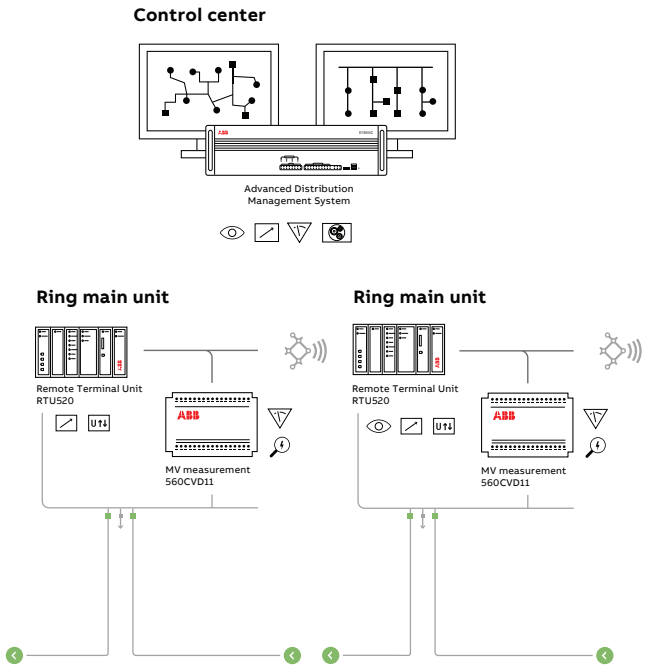
RTU520 enables efficient detection and isolation of faults

For enhanced observability and complete fault awareness in your power distribution network, RTU520 offers advanced fault and outage management, enabling the efficient detection and isolation of faults and restoration of power and service. With the fault and outage management functionality, outage times can be reduced by up to 81%, leading to an incredible economical advantage.

Functions:

- Decentralized Fault Detection, Isolation and Restoration (FDIR)
- Centralized Fault Location, Isolation and Service Restoration (FLISR)
- Real time location of earth and overcurrent faults in distribution networks
- Work force management
- User-friendly central management of security events and user accounts
- Peer-to-peer communication over 61850 GOOSE messaging
- Advanced data analysis and reporting

APPLICATION EXAMPLE



Legend

Communication · Measurement · Fault Detection · Monitoring · Protection · Control · Voltage Control · Algorithm Logic Control

Benefits:

- Increase safety for the utility personnel through reduced travel time and exact fault location
- Improved quality of service for end user
- Improved operational efficiency through better tools for operators and field crew
- Use existing infrastructure to its full potential
- Easily comply with regulatory reporting requirements and support of trends through the levels of the organization, period and work types
- Reduce SAIDI (System average Interruption Duration Index)
- Reduce SAIFI (System Average Interruption Frequency Index)
- Single solution for fast restoration of the entire grid

ABB improves grid reliability and efficiency; giving you control of the grid, anywhere, any time. We enable you to see inside your grid, with many years of experience in substation automation, communication and protection. ABB delivers a comprehensive range of automation products, solutions and systems for basic to advanced power distribution networks, renewable power integration and battery storage systems.

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