

# FAULT MANAGEMENT

## IMPROVING RELIABILITY WITH INNOVATION AT KEY GRID LOCATIONS

Your distribution system is unique and complex, so there is no single solution for managing sustained and transient faults. But if you strategically integrate the right amount of innovative technologies close to where faults occur on the grid, you can improve reliability and customer satisfaction while reducing operation costs.

IntelliRupter® PulseCloser® Fault Interrupter



### FEEDER



#### Reliability

- Outages of any duration on feeders impact the greatest number of customers.



#### IntelliRupter PulseCloser Fault Interrupter

- Segments feeders into smaller sections so fewer customers are affected
- Automatically reroutes power from alternate sources to quickly isolate faulted segments



#### Small

- Between 2 and 6 devices per feeder



#### PulseClosing® Technology

- Uses 95% less energy than a conventional recloser for fault testing
- Can even be used on hybrid systems and underground lines

TripSaver® II Cutout-Mounted Recloser



### OPERATIONS & MAINTENANCE SAVINGS

- Existing fuse-sawing or fuse-blowing strategies cause unnecessary outages.
- These long lines are the most exposed parts of the grid and are costly to maintain.



#### TripSaver II Cutout-Mounted Recloser

- Keeps temporary outages from becoming permanent
- Helps avoid unnecessary truck-roll costs



#### Intermediate

- Between 10 and 50 devices per feeder



#### Eliminates Unnecessary Outages

- 80% of outages on overhead lines are temporary.
- Automatically restores power if a temporary outage occurs

VacuFuse® Self-Resetting Interrupter



### CUSTOMER SATISFACTION

- Reliability issues often cluster into troublesome pockets on this part of the grid.
- Customers are dissatisfied with utility crews accessing their backyards.



#### VacuFuse Self-Resetting Interrupter

- Brings fault-testing to the outer edges of the grid — further than it has ever been
- Specific for utilities tracking Customers Experiencing Multiple Interruptions (CEMI)



#### Large

- 100s of devices per feeder



#### Eliminates Nuisance Outages

- 70% of blown overhead distribution transformer fuses are nuisance operations.
- Eliminates need for fuse operations and unnecessary outages, keeping customers happy

Contact us  
at [sandc.com](http://sandc.com)

Discover how you can improve reliability and reduce maintenance costs with innovation from S&C at each grid location.

