



# Power Generation Solutions

Easily replace multiple electromechanical relays with one SEL relay.

## Upgrade to SEL Digital Relays—Add Reliability, Functionality, and Communication to Your Substation

Replacing electromechanical (EM) relays with SEL digital relays is a fast, low-cost way to get the advantages of digital relays without the expense of new switchgear. Add the benefits of self-testing, I/O, SELogic® control equations, event reports, fault identification, and arc-flash detection to your existing switchgear. SEL relays provide the system information you need to improve protection, reliability, efficiency, and overall system performance.

One SEL relay can replace an entire rack of EM relays for a fraction of the price and improve all areas of performance. Upgrade to SEL relays and keep your existing CTs, breakers, and most wiring. Built-in communications protocols make data available anywhere on your system.

SEL relays perform thousands of self-tests every minute and eliminate the manual testing and calibration needed for EM relays. Join the thousands of power generation, utility, and industrial users who have switched to SEL digital relays.



*One SEL-351S Protection System replaced an entire panel of EM relays.*

## Top Ten Reasons to Upgrade to SEL Relays

1. SEL digital relays are more reliable than EM relays, demonstrating a mean time between failures (MTBF) of over 400 years.
2. Digital relays save space. One digital relay can replace multiple EM models.
3. SEL digital relays offer time-tagged event reports, fault diagnosis, fault location, synchronized phasor measurements (synchrophasors), data recording, and multiple communications options.
4. SEL relays cost less than EM relays and save time and money by dramatically reducing relay maintenance.
5. SEL relays improve personnel safety and minimize equipment damage by reducing fault duration and detecting arc-flash hazards.
6. Digital relays save time and improve safety by remotely communicating status, saving personnel from traveling to remote locations.
7. SEL relays save money by allowing you to easily upgrade and retrofit existing switchgear using your own employees at your own pace.
8. Digital relays provide an excellent source of information for asset management and condition-based maintenance.
9. SEL makes upgrading easy by providing drawings, installation, settings, commissioning, training, and more.
10. All SEL relays include a **ten-year, no-questions-asked warranty** backed by exceptional customer service and technical support.



**Making Electric Power Safer, More Reliable, and More Economical®**

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