

SEL-MR

Manual Reset Fault Indicator



Eliminate costly repetitive refusing and sectionalizing with the economical SEL-MR fault indicator

- Handy troubleshooting tool for line crews to quickly pinpoint a fault between two fault indication points before manually reclosing the circuit.
- Simple resetting using the Manual Reset Tool.
- Fault-powered and battery-free.
- Backed with a ten-year, no-questions-asked warranty.



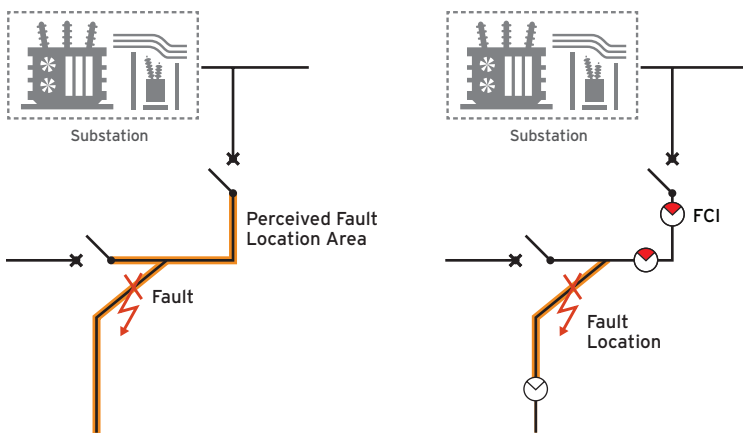
Fast, Portable Detection Tool

The SEL-MR is a portable, manual reset troubleshooting tool for overhead and underground applications up to 38 kV. The device has a purely magnetic circuit that trips based on the magnetic fields generated by the fault current. The SEL-MR is fault-powered and does not require system load current, voltage, or a battery to operate.

Line crews can use the SEL-MR after an outage occurs to pinpoint the fault location when manually reenergizing the circuit. The SEL-MR secures to the line using over-center toggle clamps and can be removed with a hot stick.

The SEL-MR has a response time of 12 ms at the nominal factory-set trip rating. The display has a highly visible red (tripped) and white (reset) reflective target to indicate the fault status. The hermetically sealed, ultrasonically welded housing and stainless steel, vinyl-coated clamping mechanisms in the SEL-MR make it suitable for use in harsh, submersed, and corrosive environments.

The SEL-MR is also available with a button reset option for underground applications to simplify reset without removing the indicator.



Apply SEL-MR fault indicators after an outage occurs to determine the fault location when manually reenergizing the circuit.





Key Features and Benefits

Safe and Efficient

After a fault occurs, you can use the SEL-MR to determine the location and confirm the fault clearance before manually reclosing. This avoids costly repetitive refusing and resectionalizing.

Battery-Free

Powered by fault current, the SEL-MR does not require batteries, making it maintenance-free.

Versatile

The SEL-MR works with overhead covered or bare conductors and underground cables in distribution systems up to 38 kV.

Convenient

The SEL-MR is available in a convenient kit to keep on a truck. The kit includes three SEL-MR fault indicators and a Manual Reset Tool in a sturdy, lightweight carrying case.



SEL-MR Specifications

	SEL-MR	SEL-MR With Reset Button
Nominal Trip Ratings Range	100 to 800 A	200 to 800 A
Trip Tolerance	±10%	±10%
Typical Trip Response Time	12 ms	12 ms
Overhead System Voltage Range	Up to 38 kV (line-to-line)	Not applicable to overhead conductors
Underground System Voltage Range	Equal to voltage class of shielded underground cable	Equal to voltage class of shielded underground cable
Maximum Fault Current	25 kA for 10 cycles	25 kA for 10 cycles
Cable Diameter Range, Standard Core	6.35 to 35.56 mm (0.25 to 1.4 in)	15.24 to 35.56 mm (0.6 to 1.4 in)
Cable Diameter Range, Large Core	20.32 to 50.80 mm (0.8 to 2.0 in)	30.48 to 58.42 mm (1.2 to 2.3 in)
Temperature Range	−40° to +85°C (−40° to +185°F)	−40° to +85°C (−40° to +185°F)
Approximate Weight	140 g (0.31 lbs)	170 g (0.37 lbs)



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