



# AR360 AutoRANGER® Fault Indicators

*Your AR360 Fault Indicators steer you quickly to temporary and permanent faults for fast troubleshooting, repair, and restoration of feeders.*

*Best Technology  
Brightest Light*

*360° Visibility  
Intelligent Display*



Single-Stick Install

## Features and Benefits

- **360 Degree Visibility:** Six ultra-bright, wide-angle LEDs provide overlapping fields of light that collectively yield nearly the same light intensity regardless of the observer's viewing angle. The LED flashing sequence provides a distinctive rotational motion effect that enhances permanent fault display visibility.
- **Identify Temporary and Permanent Faults:** Distinct temporary (amber) and permanent (red and amber) fault indication patterns provide the flexibility of locating the cause of permanent and self-clearing faults.
- **Auto-Adjusting Trip-Level Selection:** Dynamically optimizes sensitivity and security, based on measurements of load. Can detect faults with as little as 50 A of current when loads are light. Automatically steps up its trip threshold to remain secure for 1200 A loads.

*Start deploying AR360s today. Detect temporary faults before they turn into outages.  
Speed restoration after permanent faults.*

# SEL AR360 AutoRANGER® Fault Indicators

## Principle of Operation

---

After you install the AR360 with a single hot stick, its sophisticated microprocessor goes to work. It samples the current and automatically adjusts its trip value for secure and dependable performance.

Faults start a red-amber alternating flashing sequence that appears to rotate around the device. After two minutes, the microprocessor checks for voltage and load current to determine if the fault was temporary or permanent. Permanent faults cause the red-amber sequence to continue. Temporary faults switch the flashing sequence to amber only. After a time-out period, the flashing automatically stops.



*Flashing sequence rotates around the device indicating whether a fault is temporary or permanent.*

## Specifications

---

### Trip Value Range

50 to 1200 A

### Trip Response Time

24 ms, nominal

### System Voltage Range (L-L)

4160 V to 34.5 kV

### Outer Diameter Clamping Range

0.406 to 3.81 cm (0.160 to 1.50 in)

### Maximum Fault Current

25 kA for 10 cycles

### Approximate Weight

825 g (1.82 lbs)

### Battery

High-capacity, 20-year shelf life

### Temperature Range

-40° to +85°C (-40° to +185°F)

### Flashing Hours

1800+ hours

Designed to meet IEEE 495 standards.

### Reset Time

4 hours standard; others available upon request\*

## Commitment to Quality

---

Five-year warranty, no questions asked.  
Field application assistance.

\* Extended time-out may affect battery life. Please consult factory.

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

**SEL** E. O. SCHWEITZER MANUFACTURING  
A DIVISION OF SEL

Tel: +1.847.362.8304  
Fax: +1.847.362.8396  
www.eosmfg.com • csr@eosmfg.com