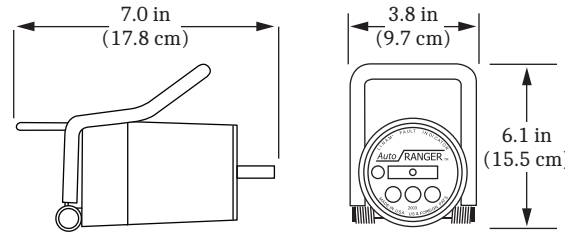# AR-OH
Installation Instructions

Before installation, read and understand all instructions in their entirety. For assistance, please contact Customer Service at 1-847-362-8304 or by email at infolz@selinc.com.
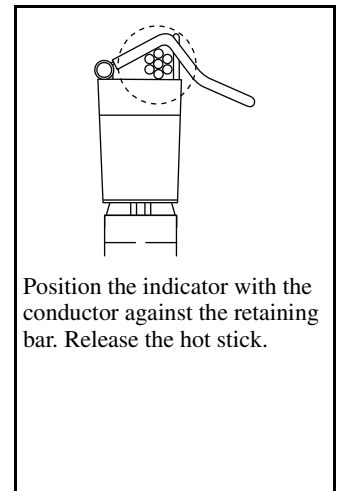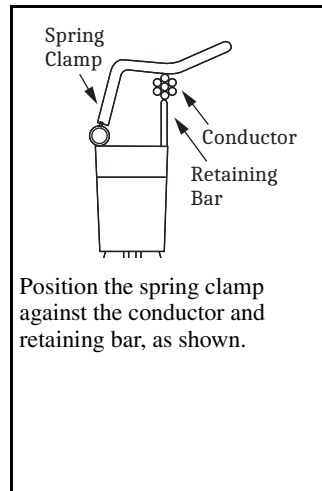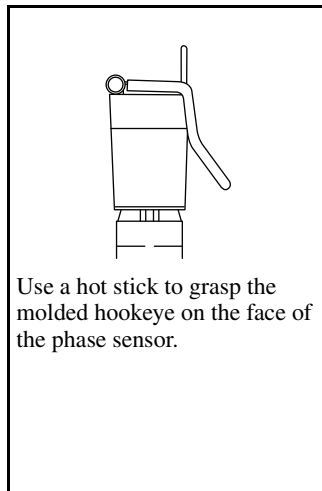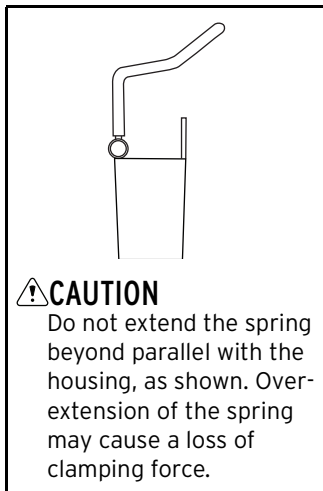
7.0 in (17.8 cm)   3.8 in (9.7 cm)   6.1 in (15.5 cm)

⚠CAUTION
Install in accordance with normal safe operating practices. These instructions are not intended to replace or supersede existing safety or operating requirements. Only trained qualified personnel should install or operate fault indicators and sensors.
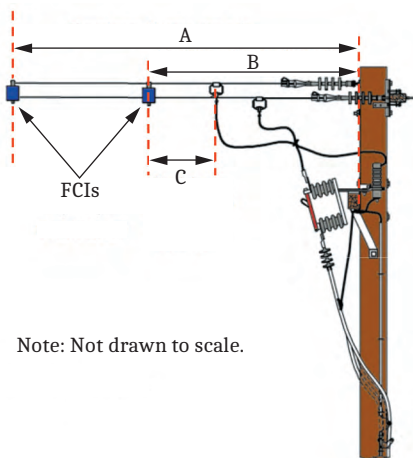
Note: The AutoRANGER® (AR) must detect a minimum voltage field for normal operation. Therefore, install AR units at least 2 ft from other line or pole hardware when applying these units on phase-to-phase system voltages of 7.2 kV or less. Additionally, AR units should not be installed in such a way that would allow the product surface to reduce the insulating air gap sufficiently to initiate a flash over.

Install the Phase Sensor(s)

⚠CAUTION
Do not extend the spring beyond parallel with the housing, as shown. Over-extension of the spring may cause a loss of clamping force.

Use a hot stick to grasp the molded hookeye on the face of the phase sensor.

Spring Clamp

Conductor

Retaining Bar

Position the spring clamp against the conductor and retaining bar, as shown.

Position the indicator with the conductor against the retaining bar. Release the hot stick.

To ensure optimum FCI function, it is best to follow the FCI distance-to-pole recommendations shown in *Figure 1*.

A
B
FCIs
C

Note: Not drawn to scale.

Reference A: Maximum recommended distance from pole of 6 feet.

Reference B: Minimum distance from pole of 3 feet.

Reference C: Minimum distance from energized hardware of 2 feet.

Figure 1

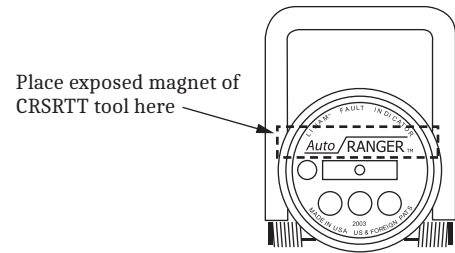ISO 9001 CERTIFIED   WORLDWIDE 10 years WARRANTY

25-0071

AR-OH
Installation Instructions

Test Activation and Clearing

To test activation or to clear the flash sequence of the AR, use a CRSRTT tool.

1. Remove the shorting bar from the CRSRTT tool to expose the magnet.
2. Position the exposed magnet directly onto the AutoRANGER® logo on the face of the FCI.
3. Maintain contact between the magnet and the AutoRANGER logo for 3 to 5 seconds.
4. Remove the CRSRTT from the logo and replace the shorting bar.

Note: The AR FCI will cycle through its flash sequence to demonstrate activation. Flash sequence is shown on the right.

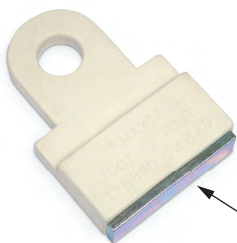Place exposed magnet of CRSRTT tool here

AR FCI Flash Sequence

Red LEDs repeat several *three*-flash sequences.

Yellow LED repeats several *two*-flash sequences.

CRSRTT Tool

Use the CRSRTT tool to field-test many fault indicators including the AutoRANGER®, BTRIP, BTRI_IR, and others. Before using the CRSRTT tool, remove the protective shorting bar. Replace the shorting bar after use.

Order Catalog Number: CRSRTT.

Shorting Bar