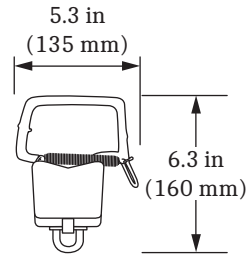


# 1BARUZI/R & 9159901\_Fiber-Optic Remote Installation Instructions

Before installation of fault indicators and sensors, 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](mailto:infolz@selinc.com).

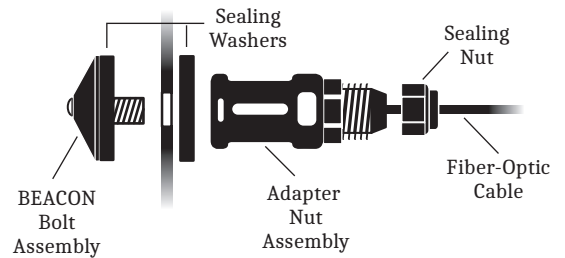
## ⚠ CAUTION

Install fault indicators and sensors 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.

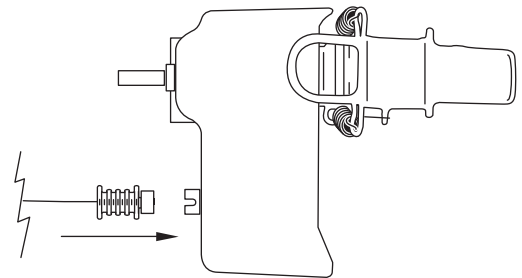


## Install the Fiber-Optic Remote Display to the Enclosure (if Applicable)

- Select an installation point on the mounting structure. Allow for a sufficient length of cable to reach the mounting point of the phase sensor.
- Drill one 5/16 in (7.9 mm) hole.
- Slide one sealing washer over the threads of the BEACON Bolt®. Insert the BEACON Bolt assembly from the outside of the enclosure through the hole (*Figure 1*).
- Slide the second sealing washer over the threads of the BEACON Bolt.
- Unthread the sealing nut only from the adapter nut assembly. The adapter nut assembly should now spin freely on the cable.
- Thread the adapter nut assembly onto the BEACON Bolt assembly until it is hand-tight and the sealing washer is compressed enough to provide a seal. Do not twist the cable.
- Slide the cable into the adapter nut assembly until the cable is fully seated and stops.
- While maintaining a slight force to keep the cable fully within the BEACON Bolt, tighten the sealing nut until the nut is tight. Do not overtighten.
- Attach the display by snapping the fiber-optic lead to the phase sensor (*Figure 2*).
- When disconnecting a fiber-optic cable from the FCI, pull from the connector body only. Do not pull the cable itself.



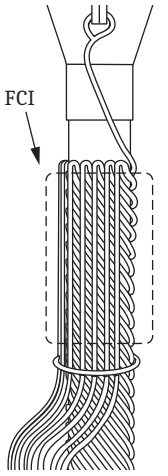
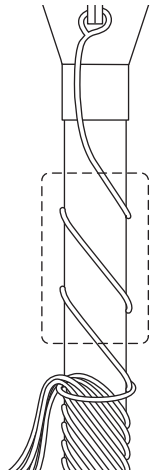
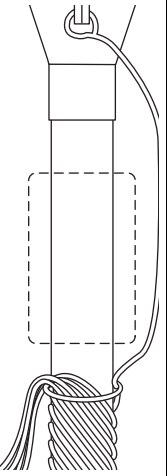
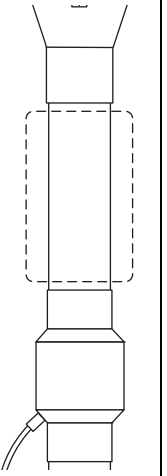
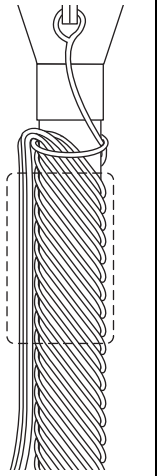
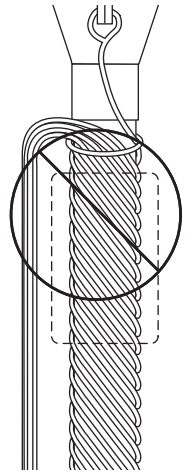
**Figure 1**



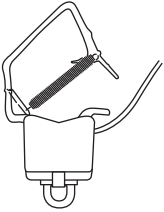
**Figure 2**



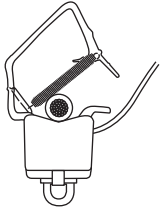
# 1BARUZI/R & 9159901\_Fiber-Optic Remote Installation Instructions

Preferred	Acceptable				Incorrect	Neutral Training for Phase Sensor
						<p>The way the neutral is trained and the correct placement of all FCI sensors are essential for proper function of the FCI. Shown are several methods of neutral training. Note the position of each FCI sensor.</p> <p>Double-back training is the preferred method.</p> <p>Four acceptable methods are shown.</p> <p>The last method prevents proper FCI function. <i>Do not use this method</i> when applying FCI sensors.</p>

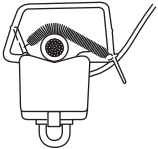
## Install the Phase Sensor



Use a hot stick to grasp the hookeye on the face of the indicator. Open the core, and push it onto the cable.

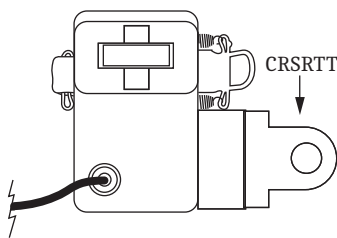


Position the cable so that it rests in the molded "V" of the phase sensor. Use a switch stick to close the core around the cable.



Ensure that the core is fully closed. Release the hot stick.

## Trip or Reset Testing



Remove the silver shorting bar from the CRSRTT test tool. Ensure that the conductor is energized and the minimum load current has been present for at least three minutes. Hold the tool against the bottom right side of the housing for at least 20 seconds, as shown, fully covering **Test/Reset** marking on the housing. Remove the tool to complete the trip or reset process. Replace the shorting bar for tool storage.

**Note:** The CRSRTT Test Tool is sold separately as Catalog Number: CRSRTT.

Magnetic Cable Guides hold cables and leads neatly within the enclosure.

Order Catalog Number: MCG



SCHWEITZER ENGINEERING LABORATORIES, INC.

2350 NE Hopkins Court • Pullman, WA 99163-5603 U.S.A.  
Phone: +1.509.332.1890 • Fax: +1.509.332.7990  
selinc.com • info@selinc.com

