# X-Connector Quick Start Guide



Thank you for purchasing a SeaHawk X-Connector. This guide describes how to install the X-Connector in a SeaHawk leak detection system.

If you need further assistance, please contact RLE Technologies via our website - http:// www.rletech.com/support or call us at 970.484.6510, Option 2.





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## Supplies for Installation.

### Included with the X-Connector

X-Connector device Two end-of-line terminators (EOL)

#### Available from RLE, sold separately

SeaHawk Sensing cable SeaHawk Non-sensing cable SeaHawk SD-Z Spot Detector SeaHawk Leak Detection Controller

## **X-Connector Functionality**

The X-Connector uses internal, fixed resistors to simulate 50 feet (15.24m) of sensing cable per branch for Branch 1, Branch 2, and the Output. This creates a buffer between the branches of the X-Connector, and eliminates confusion when leaks occur at the beginning and end of the branches.

Even if you connect an EOL to the branch, the system will still interpret that branch as using 50 feet (15.24m) of cable. Overall, the X-Connector simulates 150 feet (45.72m) of sensing cable.

## **Cable and Spot Detector Connections**

Each branch of the X-Connector can accommodate sensing cable, non-sensing cable, or an SD-Z spot detector. EOL terminators can be connected to Branch 1, Branch 2, or the Output branch. Follow these steps to connect the appropriate device to the X-Connector:

- 1. Connect the cable running from the controller whether it's the leader cable that comes with most SeaHawk controllers, sensing cable, or non-sensing cable to the connector marked Input.
- 2. Connect your first device sensing cable, non-sensing cable, an SD-Z spot detector, or an EOL to Branch 1. Please remember, 50 feet (15.24m) of cable is simulated between the Input branch and Branch 1. If you're using the device in conjunction with a distance-read controller, you'll need to account for this simulated length. Add 50 feet (15.24m) to the cable length reading at the beginning of Branch 1. The diagrams on the back of this sheet may clarify this concept for you.
- 3. Connect your second device to Branch 2. On distance read systems, add 50 feet (15.24m) from the Branch 1 cable end distance to the beginning distance of Branch 2.
- 4. Connect your third device to the Output connector. On distance read systems, add 50 feet (15.24m) from the Branch 2 cable end distance to the beginning distance of the Output connector.

**IMPORTANT** - If you are not going to connect cable or a spot detector to a particular branch connector or the output connector, you must attach an EOL terminator to that branch. Without the EOL, your controller will report a cable break. When you attach an EOL, you still must account for the 50 feet (15.24m) of cable simulated by that branch.

