

LIEBERT® LIQUI-TECT™ LT500-BC

Quick Installation Guide



INSTALLATION SUPPLIES

The following is included:

- LT500-BC - Branch connector
- Two LT500-ET - End terminators

BRANCH CONNECTOR FUNCTION

The Liqui-tect Branch Connector uses internal, fixed resistors to simulate 35 ft (10.67 m) of leak-detection cable per branch for Branch 1, Branch 2, and Output, which creates a buffer between the branches, and eliminates confusion when leaks occur at the beginning and end of branches.

Even with an end terminator on the branch, the system interprets 35 ft (10.67 m) of cable on the branch. Overall, the branch connector simulates 105 ft (32 m) of leak-detection cable.

LEAK-DETECTION CABLE CONNECTIONS

Each branch of the branch connector can accommodate leak-detection cable and jumper cable. End terminators can be connected to Branch 1, Branch 2, or Output.

- 1. Connect the cable from the controller branch-connector Input.**
The cable may be the connector cable, a leak-detection cable, or a jumper cable.
- 2. Connect the first device to Branch 1.** A leak-detection cable, a jumper cable, or an end terminator. On the Liqui-tect controller add 35 ft (10.67 m) to the cable-length reading at the beginning of Branch 1.

- 3. Connect a second device to Branch 2.** On the Liqui-tect controller, add 35 ft (10.67 m) from the Branch 1 cable end distance to the beginning distance of Branch 2.

- 4. Connect a third device to the Output connector.**
On the Liqui-tect controller, add 35 ft (10.67 m) from the Branch 2 cable end distance to the beginning distance of the Output connector.

NOTE: If you are not connecting a leak-detection cable to a branch connector or the output, attach an end terminator or the controller will report a cable break. With an end terminator, you still must account for the 35 ft (10.67 m) of cable simulated by that branch.

EXAMPLE BRANCH CONNECTOR APPLICATION

For the example, each length of leak-detection cable is 100 ft. With a Liqui-tect controller, each branch of a branch connector simulates 35 ft (10.67 m) of cable. The diagram shows how the Liqui-tect controller calculates the distance at various points along the system.

A. Cable from connector cable (Cable from connector cable to Input = 100 ft

B. Input to Branch 1 + 35 ft = 135 ft

C. Branch 1 cable + 100 ft = 235 ft

D. Branch 1 to Branch 2 + 35 ft = 270 ft

E. Branch 2 to Output + 35 ft = 305 ft

F. Cable from Output + 100 ft = 405 ft

SUPPORT

For product support, contact us at:

- 1-800-222-5877, ext. 2
- 00800-1155-4499, ext. 2 (outside North America)
- liebert.monitoring@vertivco.com

