

BT485

Technical Instructions

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Important changes are listed in **Document revision history** at the end of this document.

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What is the BT485?

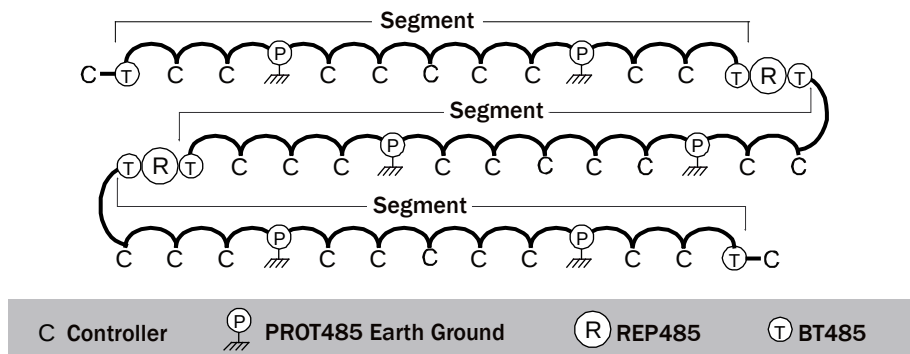


BT485

You attach a BT485 to the controller at the beginning and end of a network segment to:

- Terminate the network segment
- Add bias to reduce the effects of noise on the network

Sample daisy-chain network configuration with BT485's:



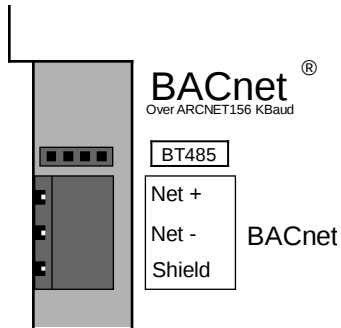
NOTE BT485's eliminate the need for DIAG485's and 120 Ohm terminators. You may still use the DIAG485 for diagnostic purposes, but you must remove its **BIAS** jumper.

Automated Logic® products that support the BT485

The BT485 can be attached to later versions of the following products:

- AAR and AMR controllers
- Equipment Portal controller
- LGR line controllers
- ME line controllers
- SE line controllers
- ZN line controllers
- REP485
- FIBER485 and FIBER485T

To determine if a product version supports the BT485, look for the **BT485** connector located near the **BACnet** connector.

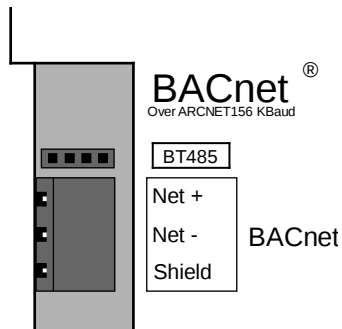


Specifications

Environmental operating range	Operating Temperature Range: -29 to 60.0 deg C; -20 to 140 deg F	
Overall dimensions	Width:	0.5 in. (1.2 cm)
	Height:	0.6 in. (1.5 cm)

To install a BT485

- 1 Push the BT485 onto the **BT485** connector located near the **BACnet** connector.



- NOTE** The BT485 has no polarity associated with it.
- 2 Verify that the LED turns on.

Document revision history

Important changes to this document are listed below. Minor changes such as typographical or formatting errors are not listed.

Date	Topic	Change description	Code*
4/27/15	Entire document	New look, no content changes	A-D

* For internal use only