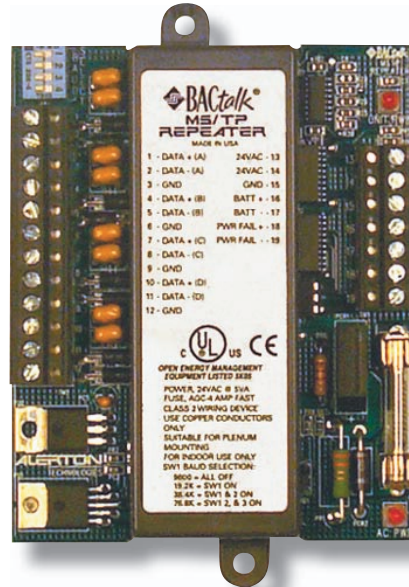


MS/TP LAN Repeater Master-Slave/Token-Passing LAN Repeater

Features

- **Simple**
Designed specifically for BACnet-based MS/TP LANs.
- **Flexible**
Star-wired bus topology expands MS/TP LAN architecture options.
- **Sensible**
A cost-effective solution for supporting multiple controllers in expansive facilities.

The Alerton® BACtalk® MS/TP LAN Repeater physically connects two or more BACnet MS/TP LAN segments, extending your network architecture options while maintaining optimum signal quality and controlling cost.



The BACtalk MS/TP LAN Repeater gives you flexibility in the design of your BACnet LAN layout. Star-wired topology reduces the installation cost by allowing multiple MS/TP segments to communicate with a single LAN System Integrator (LSi™).

The repeater has terminals for four LAN segments. It can appear anywhere on these segments, with no upstream/downstream requirements. You'll gain greater support for multiple VisualLogic® Controllers (VLCs™) and other manufacturers' BACnet-defined devices over an increased distance—between floors and multiple buildings—in expansive facilities.

An optional battery can connect to the BACtalk MS/TP LAN Repeater to maintain communications if 24 VAC supply power is interrupted. If supply power is lost and the backup battery is connected, the Power Fail output closes and can trigger an alarm if necessary.

The BACtalk MS/TP LAN Repeater uses the RS-485 signaling standard over twisted-pair wiring, which runs 4000 feet per segment when you use wire specified by Alerton. With its simple interface and communication rates of up to 76.8 Kbps, MS/TP can be implemented at low cost.

Together with Alerton's complete BACtalk line of powerful Windows-based operator's terminal software and programmable VisualLogic controllers, the BACtalk MS/TP LAN Repeater offers a total BACnet solution.

Technical data

- **Power** 24 VAC @ 5 VA. Utilizes a full-wave rectifier (do not ground secondary), and requires power from a dedicated transformer.
- **Communication** 4 BACnet MS/TP LAN segments. Switch selectable baud rate from 9.6 to 76.8 Kbps.
- **Signaling** RS-485.
- **Environmental** 32–158 deg. F (0–70 deg. C). 0–95% RH, non-condensing.
- **Battery** 6 volts @ 2.5 AHR, sealed-lead. Radio Shack #23–181.
- **Alarm Output** Transistor output rated 24 VDC, 50 mA.
- **Dimensions** 4.9" (125mm) H X 3.0" (76mm) W X 1.4" (36mm) D.
- **Ratings**
 - Listed Underwriters Laboratory for Open Energy Management Equipment (PAZX) under the UL Standard for Safety 916. Listing includes both U.S. and Canadian certification.
 - EMC Directive 89/336/EEC (European CE Mark).
 - FCC Part 15, Subpart J, Class A.

