Automated Logic’s AMR makes routing between ARC156 to BACnet MS/TP networks easy! The AMR is compact, rugged and cost effective, enabling faster ARC156 BACnet networks to be routed to slower MS/TP devices or networks.

**Key Features and Benefits**

- Serves as an economical field router to a single piece of equipment/device using BACnet MS/TP or a network of devices that communicate using BACnet MS/TP. (Note: Recommended maximum is 32 BACnet MS/TP devices.)

- Rotary address switches for setting the AMR’s network address.

- Rnet port for local communication and driver download.

- Battery-backed real-time clock + RAM ensures continuous operation during power failures and communications failures.

- Flash memory allows for easy field upgrades over network.

- 16-bit microprocessor combined with ARCNET 156 kbps communications offers ample horsepower and speed for equipment integration requirements.
## AMR Specifications

### BACnet Support:
Conforms to the Advanced Application Controller (B-AAC) Standard Device Profile as defined in ANSI/ASHRAE Standard 135-2004 (BACnet) Annex L.

### Communication:
The following ports are available:
- ARC156 port for communication with the ARC156 network.
- MSTP port for communication with the MS/TP network on EIA-485 (2-wire). The AMR acts as a master device on the MS/TP network.
- Local Access port for system start-up and troubleshooting.
- Rnet port not used.

### Microprocessor:
High speed 16-bit microprocessor with ARCNET communication co-processor.

### Memory:
1 MB non-volatile battery-backed RAM, 4 MB Flash memory, 16-bit memory bus.

### Real-time Clock:
Battery-backed real-time clock keeps track of time in event of power failure.

### Battery:
10-year Lithium CR2032 battery provides a minimum of 10,000 hours of data retention during power outages.

### Status Indicators:
LED's indicate status of communications, running, errors, and power.

### Protection:
Incoming power and network connections are protected by non-replaceable internal solid-state polyswitches that reset themselves when the condition that causes a fault returns to normal. The power and network connections are also protected against voltage transient and surge events.

### BT485 Connector:
A BT485 is attached to a control module at the beginning and end of a network segment to add bias and to terminate a network segment.

### Listings:
UL-916 (PAZX), cUL-916 (PAZX7), FCC Part 15-Subpart B-Class A, CE EN50082-1997.

### Environmental Operating Range:
0 to 130°F (-17.8 to 54.4°C), 10–90% relative humidity, non-condensing.

NOTE: Control module must be installed within the building.

### Power Requirements:
24 Vac ±10%, 50–60 Hz, 10 VA, single Class 2 source only 20 VA or less.
26 Vdc ±10%, 5W.

### Physical:
Rugged GE C2950 Cycoloy plastic.

### Weight:
0.4 lbs (0.2 kg).

### Dimensions:
4" (10.2cm) width by 5" (12.7cm) height.

### Mounting:
5 9/16" (14.1 cm) between mounting slot centerlines. Recommended panel depth: 1.75" (5.1 cm)