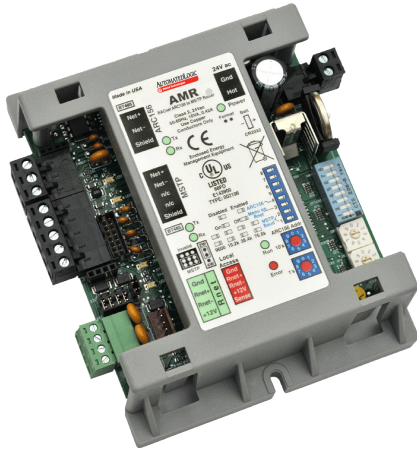


# AMR

## BACnet ARCNET to BACnet MS/TP Router



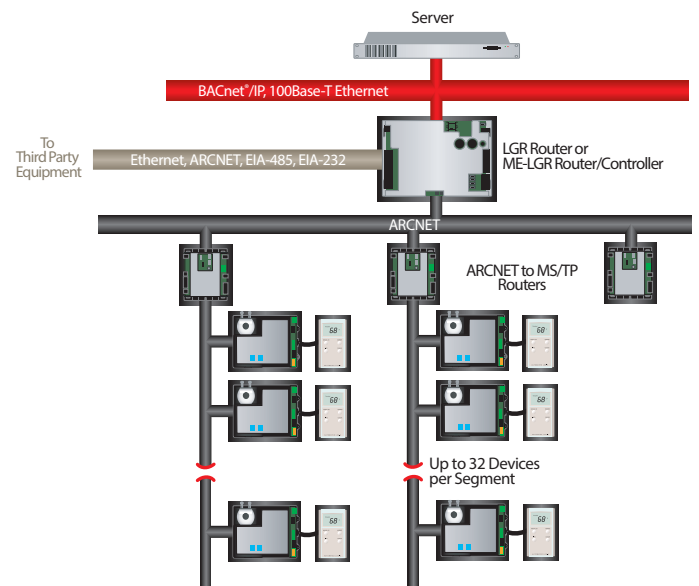
The ARCNET to MS/TP Router (AMR), is an integral component of the WebCTRL® building automation system.

The AMR allows you to add a BACnet MS/TP network to an ARCNET 156 kbps network. The maximum amount of MS/TP devices on the MS/TP network should not exceed 32.

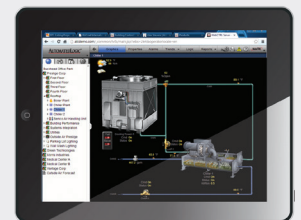
### Key Features and Benefits

- Serves as an economical field router to a single BACnet MS/TP device or a network of BACnet MS/TP devices. 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 plus 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
- Compact and rugged plastic enclosure for easy panel mounting

### System Architecture



The WebCTRL® building automation system gives you the ability to understand your building operations and analyze the results. WebCTRL integrates environmental, energy, security and safety systems into one powerful management tool that allows you to reduce energy consumption, increase occupant comfort, and achieve sustainable building operations. Our web-based platform allows building managers to control and access information about their HVAC, lighting, central plant and critical processes on premises or remotely at any time of day.

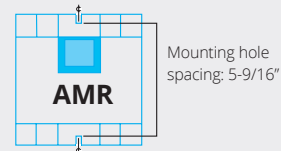


# AMR

## Specifications

Communication Ports:	The following ports are available on the AMR: <b>ARC156:</b> EIA-485 port for connecting to the ARCNET 156 kbps network. <b>MSTP:</b> EIA-485 port (2-wire), for connecting to the MS/TP network. NOTE: The AMR acts as a master device on the MS/TP network. <b>Rnet:</b> Not used <b>Local Access:</b> For system start-up and troubleshooting
Microprocessor:	High-speed 16-bit microprocessor with ARCNET communication co-processor
Memory:	2 MB non-volatile battery-backed RAM, 2 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 retains the following data for a maximum of 10,000 hours during power outages: time and editable properties.
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 transient excess voltage/surge events lasting no more than 10 msec.
Status Indicators:	LED status indicators for EIA-485 communication, running, error, and power
Addressing:	Rotary dip switches for intuitive network addressing
Listed by:	UL-916 (PAZX), cUL-916 (PAZX7), FCC Part 15 – Subpart B – Class A, CE
Environmental Operating Range:	0°F to 130°F (-17.8°C to 54.4°C); 10 to 90% relative humidity, non-condensing NOTE: The controller must be installed within the building.
Power Requirements:	24 Vac $\pm$ 10%, 50 to 60Hz, 10VA, single Class 2 source only, 20 VA or less 26 Vdc $\pm$ 10%, 5W
Physical:	Rugged GE C2950 Cylcoloy plastic
Weight	0.4 lbs (0.2 kg)
Dimensions:	<u>Overall</u> Width: 4 in. (10.2cm) Height: 5 in. (12.7cm) Depth: 1.75 in. (5.1cm) min. panel depth

Mounting  
5-9/16 in. (14.1cm) between mounting slot centerlines



All trademarks used herein are the property of their respective owners.

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