

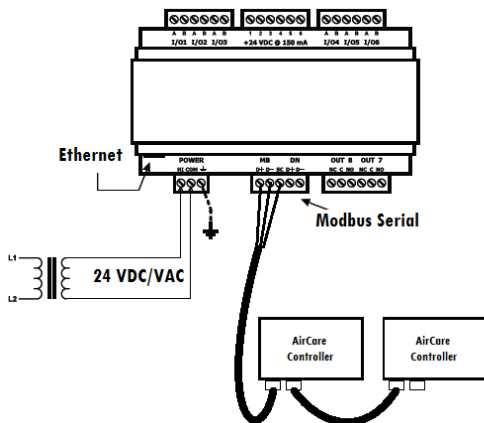
## Overview

The ACGW003 provides a convenient method of expanding building automation systems in the field when using Ethernet for network communication.

The ACGW003 complies with BACnet/IP as defined in ANSI/ASHRAE Standard 135-2004 while providing MODBUS RTU EIA485 input. By incorporating a 10/100 Mbps Ethernet port, the ACGW003 can be connected anywhere in a building's structured wiring system at a point convenient to mechanical equipment. This eliminates the need to pull proprietary network cable to the source of the I/O. By being BACnet/IP compliant, there is no need for an external router.

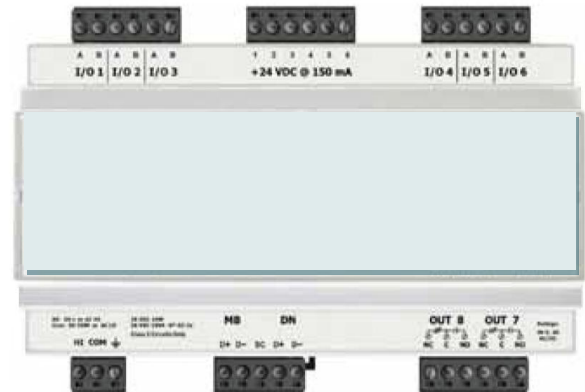
*The ACGW003 is ideal for applications where communication to AirCare EC and AC Controller products must be accessed by proprietary BAS networks. The ACGW003 can interface with 100+ AirCare Controller loads.*

## Diagram



## Features

- Network accessible I/O with built-in 10/100 Mbps Ethernet port
- Supports BACnet®/IP — eliminating the need for an external router
- Adheres to BACnet Application Specific Controller (B-ASC) profile
- Removable field connectors
- Web server for convenient commissioning and troubleshooting
- Low-voltage 24 VAC or VDC powered (customer provided line powered adapter to 24V)
- LED indicators for inputs, outputs, CPU status, Ethernet activity/link/data rate
- DIN-rail mount installation or optional panel mount
- UL approved



## Modbus (MB) Pin Assignments

Terminal	Usage
D +	DATA +
D -	DATA -
SC	Signal Common

### POWER ADAPTER

The ACGW003 GATEWAY requires a 24VDC or VAC from a source via a three-pin removable keyed connector labeled *EARTH*, *COM* and *HI*. *EARTH* allows external connection to earth if better EMC compliance is required. *COM* is for the power source return and also serves as a ACGW003 Gateway common ground connection. 24V VAC/VDC power is applied to *HI* and *COM*.

## Mechanical

