

## Overview

The ACM1007 offers two modes to select from:

1. Remote High/Low Switch Interface that allows remote control of an AirCare Network's High to Low Setback. **Use 1 ACM1007 per ZONE**
2. Remote Emergency Shutdown Interface that allows the ACM1007 to shutdown the AirCare Network's motors in case of an emergency. **Use 1 ACM1007 per Console – Zone1.**

Possible control devices include switches, timers, key-switches, and building automation systems.

## Specifications

- LED Status Indication
- LED Network Traffic Indication
- Simple connections
  - RJ45 for network
  - Screw Terminals for control input
- Open frame PCB with Standoffs
- 0-50°C operating temperature
- 4.43" x 2.65" x 1.0"

## Product Description

The ACM1007 can be powered from the MODBUS network (requires AirCare Network power supply ACM1008 or similar) or 12V-24V from an isolated transformer.

The control signal should be a dry-contact type switch (no voltage). Contact AirCare for information on interfacing to other signal types.

Depending on the mode of the ACM1007, closing the switch activates Low Speed in Remote High/Low Mode or shuts down the network's motors while in Emergency Shutdown mode.

## Installation

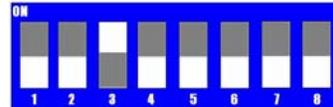
The ACM1007 can be located anywhere within the constraints of the AirCare MODBUS network. Typically the ACM1007 is mounted adjacent to the AirCare Consoles™ or mounted at the end of the zone near a wall switch or a building automation relay output.

The ACM1007 comes as an open frame board with 4 stand-offs. Mount the ACM1007 securely using a screw through the 4 end corner standoffs. All circuits are low voltage. The board should be mounted in a location that protects it from moisture and environmental extremes.

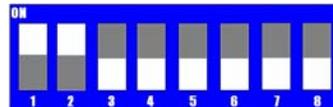
ACM1007 – board only  
 ACM1007-001 w/ NEMA1 enclosure  
 ACM1007-002 w/NEMA1 enclosure & HI/LO switch



For Remote High/Low Configuration, the ACM1007 requires a DIP Switch address of 251 (FB hex).



For Emergency Shutdown Configuration (see below), ACM1007 requires a MODBUS address of 252 (FC hex).



The CAT5 network cable can be daisy-chained through the ACM1007 network ports if the unit is not located at a network end-point.

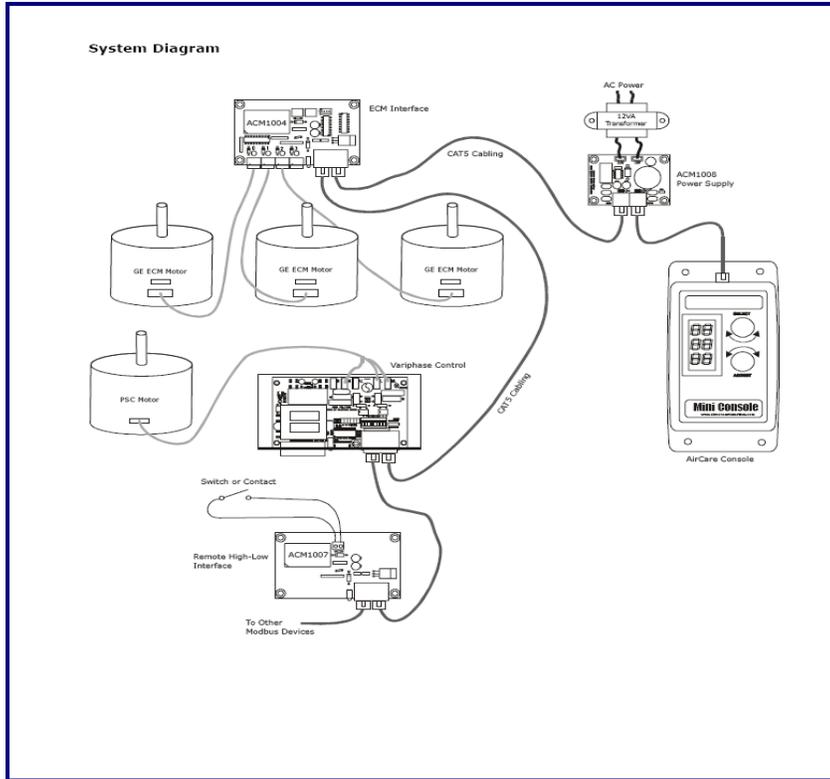
AirCare Consoles will automatically detect and configure the ACM1007 if it is present during a network configuration scan. The ACC2 console though requires a manual rescanning.

Connect a switch or contact to the 2 way screw terminal block labeled "AuxIn." When the switch is closed, the Status LED will flash quickly.

## Operation

The AirCare Console periodically checks the status of the ACM1007. If the switch is closed, the console will set-back all motor controls on that zone. The set-back percentage should be pre-set using the console menu.

## ACM1007 System Diagram



## Mechanical Dimensions

*ACM1007 comes with power terminals shorted. CE approval is predicated upon powering ACM1007 from the CAT5 and NOT from the power terminals.*

