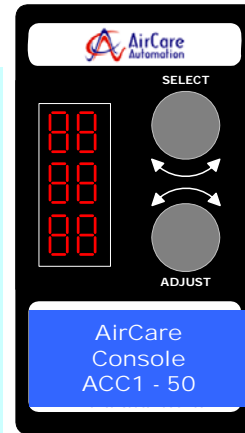


Small System Cleanroom

AirCare VariPhase™

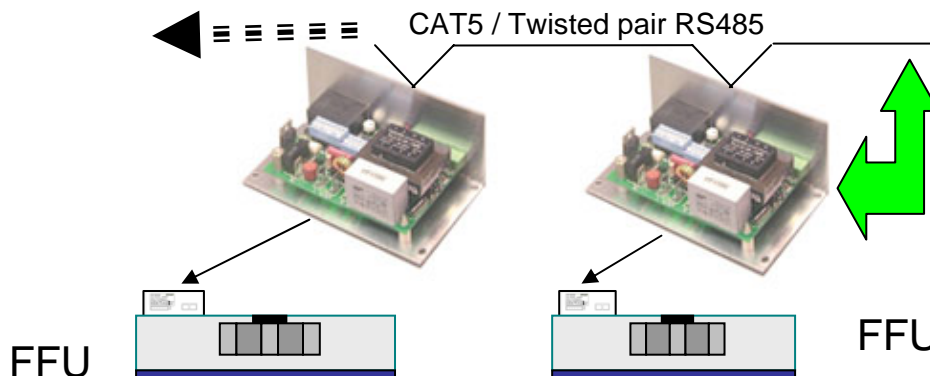
- **Voltage and Current Models (ACVxxxx)**
 - 115V (1021 -1.7A, 1041 – 4.0 A, 1081 – 8.0A)
 - 230V (1022 -1.7A, 1042 – 4.0 A, 1082 – 8.0A)
 - 277V (1033 – 3.0A, 1083 - 8.0A)
 - **ACV1021, 1022, 1033, 1041 1042 UL recognized
 - **ACV1033U,1041U,1042U UL listed (retrofit grade)
- **3-wire and 2-wire configuration**
- **50 or 60 Hz compatible**
- **Closed Loop Control Option**
 - Differential Pressure Switch feedback
- **Memory Mode**
 - Remembers last speed setting if power goes out.
 - Keeps setting if network connection is broken.
- **MODBUS Network Compliant**
 - Up to 127 individual address capability
 - RS485 or RS422
- **Analog Input (0-5V, 0-20mA, 4-20mA)**



*Intelligent Network System
for Control and Monitoring
of AC Fan Motors*

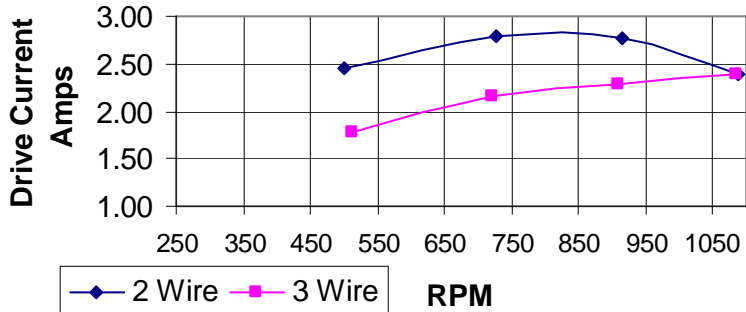
AirCare Consoles™

- **Easy Wall-mount**
- **Simple User Interface**
 - (7 segment LED display, 2 rotary encoders)
- **Supports small networks**
 - ACC1 has 1,10, 25 & 50 address control
 - ACC2 1-4 zones with 125 addresses /zone
- **No installer configuration required**
- **Performs Three Functions**
 - (status, speed adjust, global set-back)
- **Global Set Back**
 - (one step back for all fans for each zone)
- **Differential Pressure Switch**
 - (normal open / closed monitoring)
- **Global Speed Settings**
 - (easy set-up with global commands)
- **Code Access**
 - (Four (4) Access Levels of Control)
 - Prevents unwanted changes from occurring

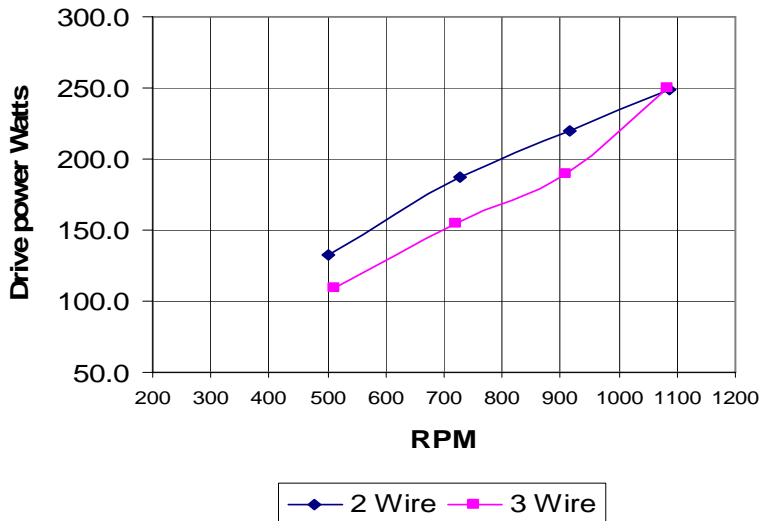


3-Wire Performance vs. 2-Wire

GE AC Motor/Fan In Box



GE AC Motor/Fan In Box



Speed Range

- Existing Performance : 60 -100%
- AirCare Performance : 30 -100%

Fan Noise

- Existing System : 2-wire, no-snubber, motor hum is noticeable
- AirCare System: 3-wire option ; snubber & smart control reduce hum for 2-wire

Accessibility

- Existing - Controls often in top-side of drop ceiling. Need to climb into ceiling space and breach cleanroom to make manual adjustment.
- AirCare - System can be adjusted from a wall-mounted console – no breach

Set-Back Capability

- Existing - Set and Forget (hopefully). Any adjustment is painful effort
- AirCare - Easy Adjust and recertify. Set-back speed to save filter life and reduce energy when not in use

Precision

- Existing Performance: Coarse, requires multiple iterations to get right setting.
- AirCare has adjustment resolution and repeatability of 1%

Set-Up Time & Cost Payback

- AirCare System allows set up of each FFU without breaching the ceiling saving significant technician time to set Cleanroom flow rates to meet designed standards (saves 30+ minutes per FFU- estimate)
- AirCare allows all the FFU to connect to one Console. Easy to adjust whole Cleanroom facility from one wall Console.
- Set-Back mode & reduced air-flow increase filter life and reduce energy consumption by approx. 25% (based on set-back of 20% nights/weekend)

