

RABS FFU Fan Control and System Display

Each RABS has its own PLC based control system to set the individual FFUs fan speeds during final air balance. After that the console becomes the system display for status of each FFU, and to report the status via BMS uplink, paging and other methods

A variety of
control/display
systems are
available to match
your customer's
needs and budget

See the following pages for details

Entry level Control/Display

The entry level ACC-7001/2 package can control and display up to 25 FFUs on a simple LCD screen

ACC7001 Console - Views



Monitoring ##
- fans ## - off

AC- Fan### G##
###% #####

EC Fan### G##
###% #####

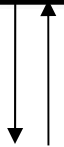
AC- Fan### G##
State: #####

EC Fan### G##
RPM: #####

AC- Fan### G##
Run speed: ###%

EC Fan### G##
State: #####

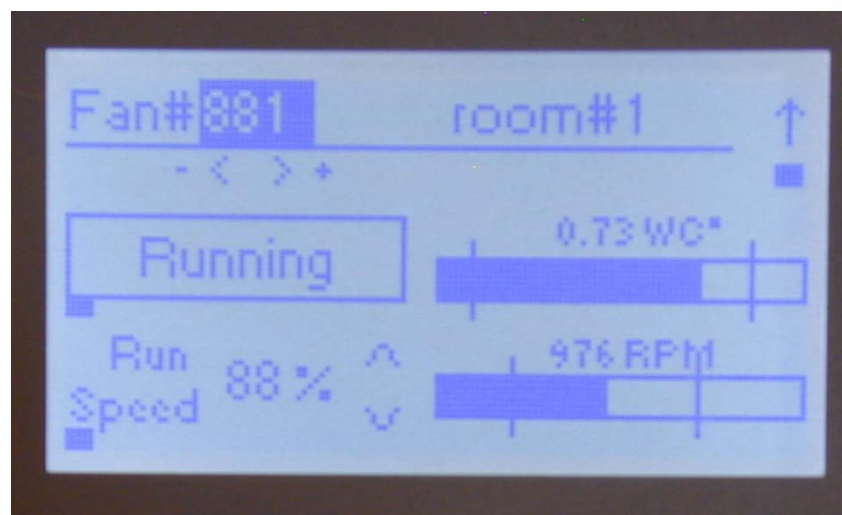
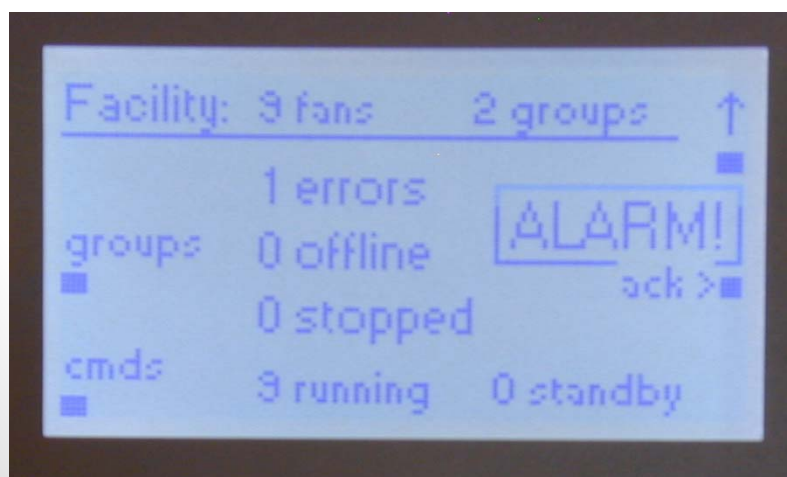
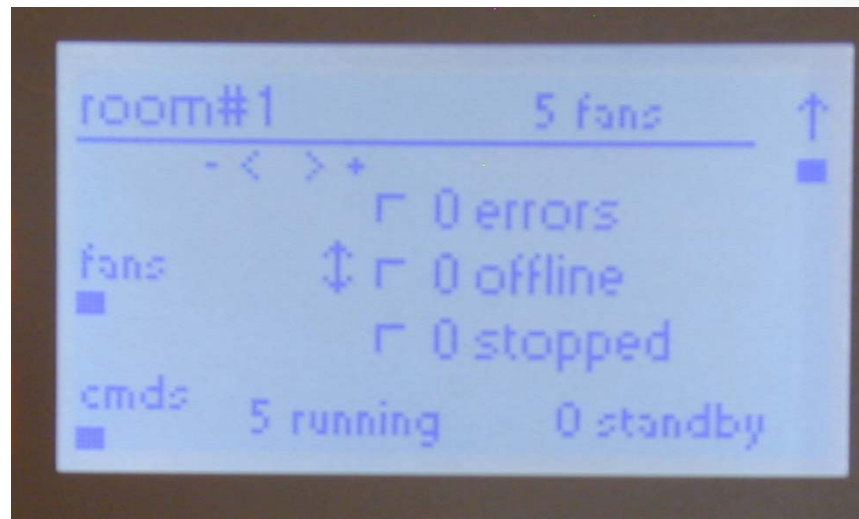
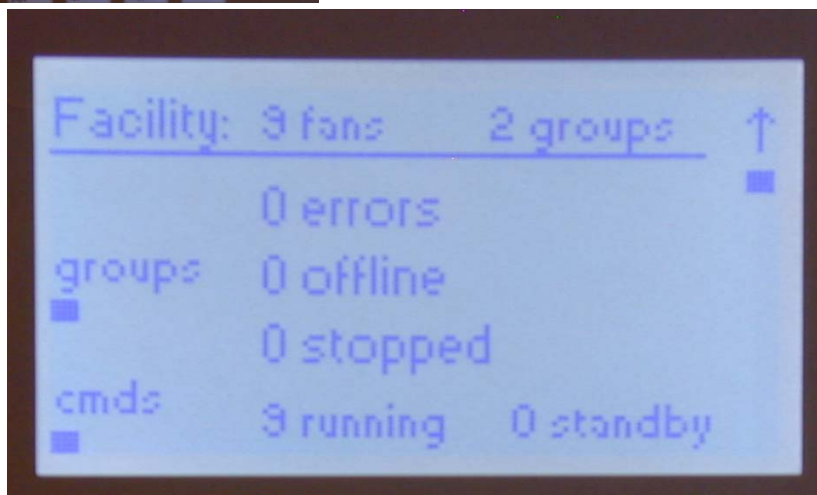
EC Fan### G##
Run speed: ###%



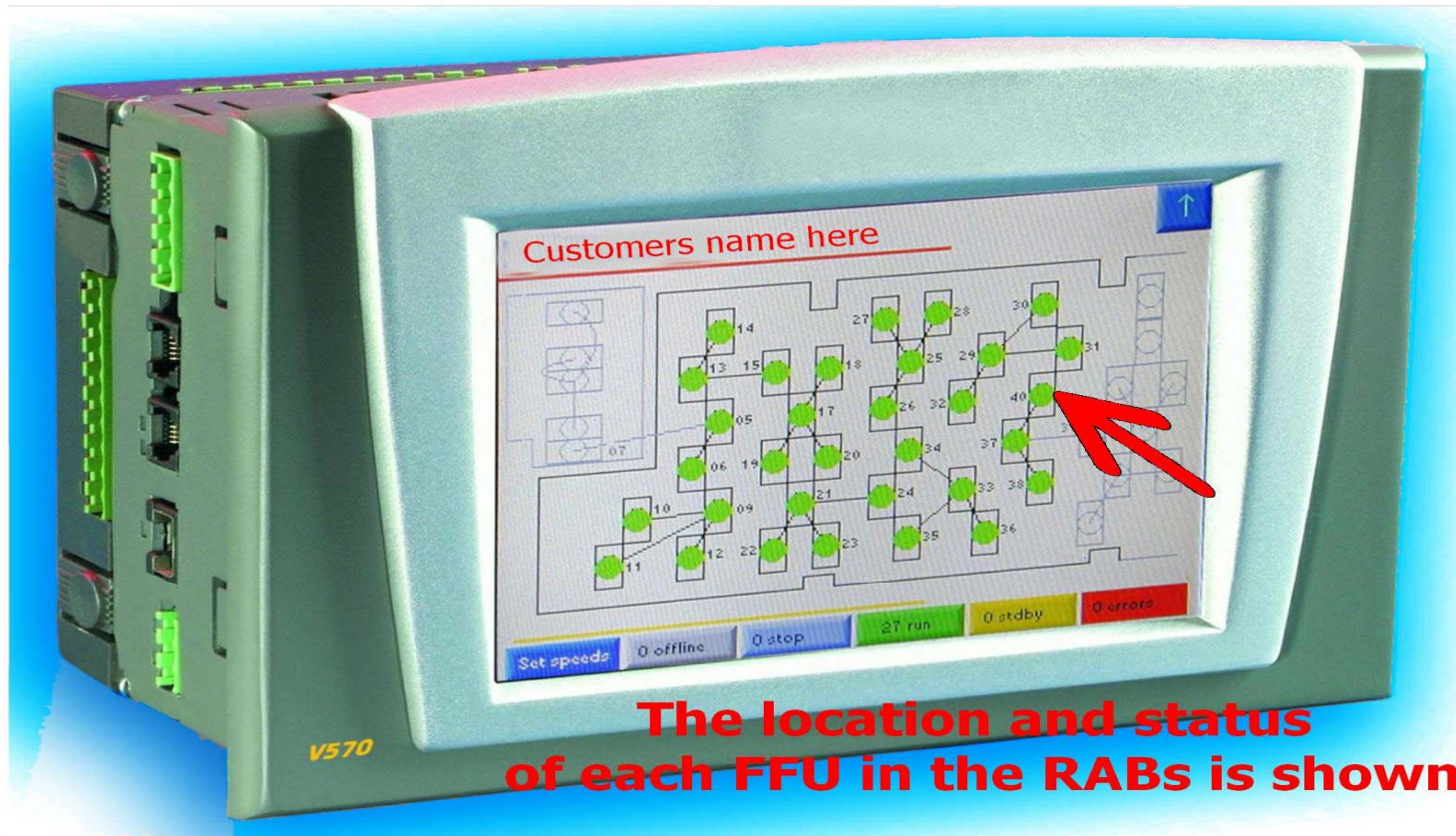
Mid-level Control/Display

The ACC7020 series feature a 2.4" graphic display with feature accessible via 15 keys. The ACC7022 is web enabled. On either the display can be customized to the job.

ACC7020/2 Console Screen Views



Top level ACC7050/2 offers a 5.7" TFT display and customizable touch screen



ACC7050/2 Console Screen Views



ver: 102104301
1455 11/03/10
Master access

Facility control

System settings

Facility Global Commands

85 fans 5 groups

Run: 90 % Stdby: 55 %

Set fan speeds:

Set fan state:

Offline **Auto** Run Stdby Stop

Facility Control

85 fans 5 groups

SPM lab MPE gown room Laser cleanroom MPE lab 1 MPE lab 2

Set speeds: 0 offline 33 stop 52 run 0 stdby 0 errors

MPE lab 1

Set speeds: 0 offline 9 stop 24 run 0 stdby 0 errors

Fan# 8 MPE lab 1

next fan

Fan status: **Running**

0 RPM

Fan speed set:

Change fan state:

Offline **Auto** Run Stdby Stop Node #: 1

System Settings

- set access level
- stdby clock/calendar
- manage passwords
- set clock & enable alarm
- save & restore data
- set comm parameters

Set Standby Periods

from	to
--- 00:00	--- 00:00
--- 00:00	--- 00:00
--- 00:00	--- 00:00
--- 00:00	--- 00:00
--- 00:00	--- 00:00
--- 00:00	--- 00:00
--- 00:00	--- 00:00
reset all	

Additional specifications on the 3 levels of control/display systems

ACC7000 series PLC-based FFU System Controls



ACC7-001/2 Controls up to 50 units - 5 groups
2 line LCD display & 15-key keyboard
NO BMS / Ethernet interface



ACC7-020 Controls up to 200 units 20 Group
2.4" graphic display & 15-key keyboard
NO BMS / Ethernet interface

ACC7-022 Controls up to 200 units
2.4" graphic display & 15-key keyboard
BMS/Ethernet interface via OPC server



ACC7-050 Control 400+units (2 Modbus LANs) 20+ Groups
5.7" 256-Color Touchpanel, STN display

ACC7-052 Control 400+units (2 Modbus LANs) 20+ Groups
5.7" 256-Color Touchpanel, STN display
BMS/Ethernet interface via OPC server