

## Overview

AirCare Automation's ACC7015 – Field Configure Small System Console intelligently MONITORS and CONTROLS clean room and facility environments. The console provides communication (MODBUS-RTU platform), unit control, and system monitoring in one easy-to-use package.

The ACC7015 console supports fan control networks consisting of up to 50 FFU units organized in up to 5 groups. Plug-and Play, the Console is field configurable to match your facility layout needs.

The ACC7015 Console can be supplied in an Enclosure (ACPNL00 option) comes housed in an off-white steel panel box with a 3.5" depth to easily mount on a wall. The Console contains a panel box and universal SMPS. Add Ethernet access – (Remote Access to screen/Console)- Order option ACC-ETH.



## Specifications for Graphic Console

### Power Supply

- Input Voltage : 24 VDC
- Max Current Consumption: 245mA@24V

### Display Screen

- STN, LED, White LED backlit
- Viewing Area: 2.4"
- Display resolution: 128x64 pixels

### Keyboard

- 20 keys (10 function, 10 alpha-numeric)
- Key type: Metal dome, sealed membrane switch

### Communication

- One Isolated RS485 Serial Port (PORT 1)
  - Voltage limits -7 to +12VDC differential maximum
  - Baud rate: 9600
  - Supports up to 50 Modbus addresses
  - Cable type: Twisted pair (cat5e)



**ACC7015 in enclosure ACPNL00 option**  
**Add Ethernet – Remote Access ACC-ETH option**

## Functions/ Features

- **50 FFU per system**
- **5 groups**
- **Alarm for error**
- **7-Day Clock/Calendar feature**
- Unit & Facility/Group speed adjustment
- Monitor/Alarm - following error types:
  - Communication error with the node
  - Pressure switch fault (AC)
  - RPM low or high limit exceeded (EC)
- Menu driven configuration options
- 3 levels of user control: View, User and Master

## Environment

- Panel mounted console
- Operational temperature: 0 to 50°C (32 to 122°F)
- Storage temperature: -20 to 60°C (-4 to 140°F)
- Relative Humidity (RH): 5% to 95% (non-condensing)

## Enclosure (ACPNL00 option)

- Durable 18-gauge cold rolled steel construction
- Mounts on surface of a wall
- Captured hinge cover design for easy access
- Off-white textured powder-coated corrosion-resistant
- Key latch for positive closure and security
- Raised mounting rails create clean wiring channel
- Dimensions 7" W X 11" H X 3 5/16"
- RJ45 Coupler included for easy FFU daisy chain
- Din Rail Power Supply included (100-240 VAC Input)

## EXAMPLE SCREENS

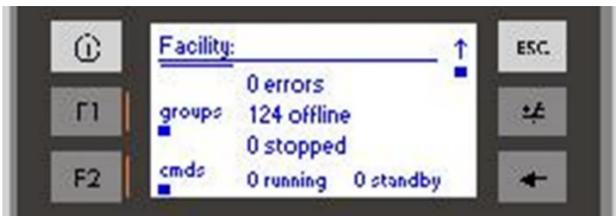
### Main screen

The main screen the software version number, system time and date, and the current access level. If the keypad is not used after 3 minutes, the screen will automatically revert to the "Facility Control" screen.



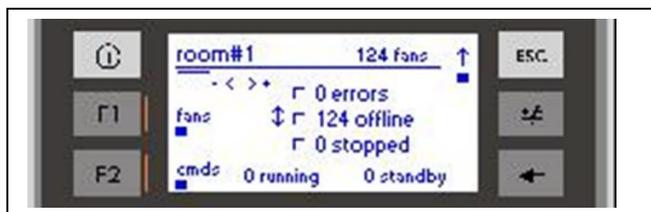
### Facility control

This screen shows the total number of fans and groups defined in the system. It also shows the number of fans found with an error, offline, stopped, running or standby. If an error is found at any time (if the alarm is activated) an alarm is turned on and the screen automatically goes to the facility overview screen.



### Group control

This screen shows the total number of fans for a given group. It shows the number of fans found with an error, offline, stopped, running and in standby respectively for that group.

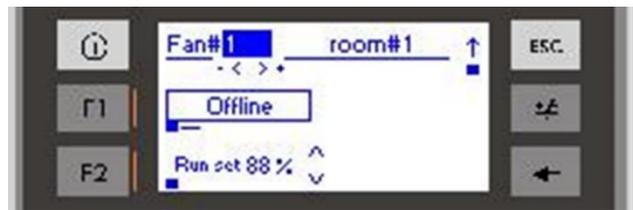


### Field Configure Screen

This screen provides field configurability: # Groups, # of FFU, type of FFU, RPM High and Low limits for ECM motors, Error Delay, Node Each FFU can be assigned to a respective group

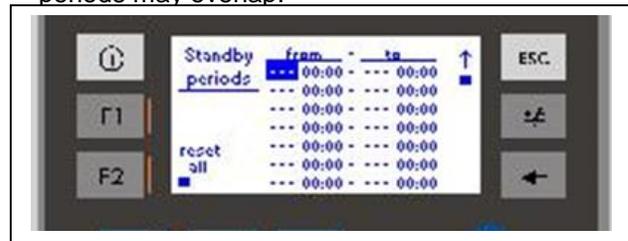
### Fan/unit control

ECM (DC Brushless - ACMxxx) fan control screen shows the Fan #; status of the fan; and group assignment. The fan's current set point (0-100%), and RPM value are shown (along with high/low limits). The fan's running speed can be adjusted by pressing the button. AC fan control screen is the same without the RPM monitor.



### 7-Day Clock/Calendar Setback

This screen allows the operator to define up to seven standby periods. A valid weekday and a time of day (24 hour clock) must be defined for the start and end of each period defined. The periods may overlap.



### Mechanical Dimensions

