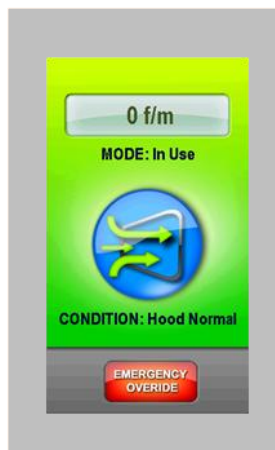


FEATURES & BENEFITS

- Full color energy efficient ultra thin LCD touch screen interface
- Stand alone Monitor and Controller
- Configurable for both direct face velocity and volumetric control strategies
- Supports vertical and horizontal sash configurations
- Capable of controlling low flow hoods
- Supports CRC valves, exhaust terminals, linear valves and Variable Frequency Drive control
- Fail Safe control
- Energy saving sequencing and logic
- Multiple user modes
- Face velocity, CFM (l/s), Sash and energy saver alarms
- Supports English and Metric readouts
- Audible and Visual Alarms
- password protected access
- Visual I/O and network Diagnostics
- Water spray and dust resistant ultra thin surface mount or recess mount enclosure
- Resistive touch control – Use bare finger, gloved finger, or stylus for interaction
- All parameters / settings saved in non-volatile memory
- Field configurable, easy, and intuitive menus
- Ability to calibrate the sash and velocity with a touch of a finger
- Supports multiple BMS protocols

Table of Contents

Overview	1
Display	2
Power Requirements	2
Environmental Characteristics	2
Performance Characteristics	2
Functional Characteristics	2



OVERVIEW

The Critical Room Control's **Fume Hood Monitor / Controller** model CRC-FHC accurately monitors and/or controls ventilation of a fume where proper face velocity or air volume is vital. The CRC-FHC can meet the stringent critical environment of; Wet Chemistry, Open Bench, Bio-containment laboratories, Pharmacies, Clean Rooms and Animal Research facilities. The CRC-FHC supports variable volume, constant volume and low volume hood configurations. The CRC-FHC controller is configurable for direct velocity control, vertical sash sensing, Horizontal sash sensing, combination Vertical/Horizontal sash sensing and constant volume applications. The CRC-FHC supports multiple air control devices including the CRC-CLV (Closed Loop Valve), Exhaust air terminals, Mechanical Linear plunger valves and Variable Frequency Drives. Each monitor /controller incorporates an easy to navigate microprocessor based controller with full color touch screen interface. All settings and programming is made via simple touch screen or network.

The CRC-FHC is designed to be a monitor only or complete system controller. Controller analog inputs/outputs and/or communications allow the CRC-FHC to seamlessly integrate with the CRC-CLV valves or building automation systems. The CRC-FHC has the ability to maintain reliable, accurate, integrated Fume Hood control.

The CRC-FHC easily integrates to building management systems via hardwire analog inputs, outputs and relays or direct

via BACnet and supports Modbus, N2 and LON with optional card.

DISPLAY

Description: Full color TFT/QVGA, 16 bit (65,535) color depth, Sunlight viewable, 200cdm brightness, touch screen interface. Screen is Capable of wipe down cleaning and optional water spray and dust resistant meeting (IP-54)

Listing: CSA®, RU(us), UL 60950, UL 94 V-0 (Enclosure)

ENCLOSURE

Dimensions: 3.625" W x 6" H x .75"D (92 mm x 152 mm x 19 mm)

Color: White

Mounting: Surface mount

POWER REQUIREMENTS

Input Power: 22 to 26VAC; 50/60Hz,

VA Rating: 12 VA

CONTROLLER

Analog Inputs: (4) four 4-20mA, 0-10V & 0-5V (Jumper selectable)

Analog Outputs: (2) Two 0-10V or 0-5V

(2) Two 4-20mA

Digital Inputs: (4) Four Digital inputs

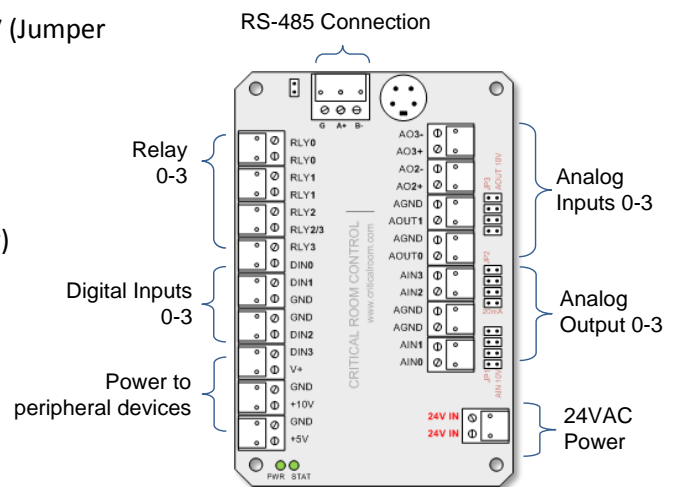
Digital Contacts: (4) Four Digital Contacts (relay)

Power Indication: LED Indicator (green)

Terminals: Removable screw terminals

Enclosure: Fire Retardant, extruded acrylic/PVC Alloy

Listing: UL 94 V-0 (Enclosure)



COMMUNICATION

Connection: RS-485

Supported Protocol: BACnet MS/TP, MODbus, Johnson Controls Incorporated N2 & LON with optional card