

GUARDIAN SERIES GUARDIAN MONITOR

Feature Rich. User Friendly. Advanced Technology.

The revolutionary GUARDIAN Module allows users to connect differential pressure, air change per hour, temperature, and relative humidity sensors to create a complete picture of the environmental conditions within an isolation space.

TECHNICAL SPECIFICATIONS

DESCRIPTION	UNIT
Input Voltage	12V DC
Max Power Consumption	200 mA at max display brightness
Pressure Units Displayed	Inches of Water Column (inWC), Pascal (Pa)
Range of Measurement	+/- 0.10 inWC, +/- 25 Pa
Accuracy of Measurement	-0.1 - +0.1 Pa
Display	3.2in 262K color TFT capacitive display
ACH Range of Measurement	5 - 100 ACH
Alarms	Custom alarm set points from -0.1 inWC (-25 Pa) to 0.1 inWC (25 Pa) and 5 - 100 ACH
Types of Alarms	Audible internal speaker with sound pressure level of 85dB at 4 in; display warning (yellow for pre-alarm, red for alarm)
Aux Alarm Connection	Normally open and common; relay output rated at 2 amps @ 30 volts DC; no power is provided
Pressure Ports	1/8in barbs for 1/8in ID tubing
Burst Pressure	> 14930.4 Pa atmospheres
Operating Temperature	41°F to 131°F (5°C to 55°C)
Storage Temperature	-22°F to 176°F (-30°C to 80°C)
Operating Humidity	0% - 85% relative humidity (non-condensing)
Operating Altitude	9000 feet maximum
USB Port	USB V1.0 type A for connecting USB flash drive
Data Type	Data transmitted in CSV file via USB flash drive can be imported into any text based editor
Data Storage Capacity	4 mega bits; >12000 logged events (no power or battery required)
Data Logging	Date and time are shown with a logged event. Events are: alarm condition with current (Pa, ACH, Temp, RH); system startup; alarm reset; configuration change; archive erased; and calibration
Internal Clock	Powered by a lithium ion battery that provides years of clock operation when neither AC nor DC power is present
Physical Dimensions	17.5cm L x 10.5cm W x 3.8cm H
Weight	226 g

Specifications and details are subject to change without prior notice.

FEATURES & BENEFITS

The new GUARDIAN Monitoring and Control Module works harmoniously with the other elements of the GUARDIAN Isolation system to create a complete isolation solution.

- Central location to monitor relative humidity, and temperature, as well as control and monitor differential pressure and air changes per hour with automatic airflow adjustment to help maintain ideal room conditions.
- Audio and visual alarms
- Color-coded background (green, yellow, red) allows easy identification of alarm status.
- Data Logs for differential pressure, relative humidity, and temperature per the selected interval setting air changes per hour, and at out-of-tolerance occurrences.
- Compatible with BACnet building automation systems
- Dual-level password protection for operators and administrators.



CONTINUALLY
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THE ISOLATION
SPACE