FMS-1655 Room Pressure Monitor/Controller Catalog Page

Description

The FMS-1655 Room Pressure Controller helps ensure safety for patients and staff within healthcare and laboratory settings. The FMS-1655 continuously measures room pressure, verifying proper airflow and pressure direction.

It can simultaneously display room pressure, humidity, temperature, air changes per hour, alarm status, time, and date. The FMS-1655 instantly updates as conditions change, and this highly sensitive instrument has a pressure/flow resolution down to 0.0001" wc.

If pressure is lost, the FMS-1655 Room Pressure Controller activates an audible and visual alarm, alerting staff to the alarm condition. It features the patented Safety Halo™ 180° edge lighting, which enables staff to monitor spaces down long corridors with a simple glance. The green, yellow, and red visual alarms also aid in reducing audible alarm fatigue, as the audible alarm can be easily silenced with the tap of a finger.

The FMS-1655 offers several product ordering options whether you need to simply monitor one space, or control up to four different spaces.

Features

- Audible alarm and patented Safety Halo™ visual alarm
- Available in plastic surface mount and stainless steel flush mount
- Stainless steel flush thin mount option available for shallow wall cavities
- Intuitive menus; easy to set up
- Critical environment-specific design; complies with ANSI/ASHRAE/ASHE standards, CDC guidelines, FGI guidelines, and USP requirements
- Licensed thermal anemometry technology
- Easy-to-read full color LCD touchscreen
- Control/and or monitor up to four spaces with one FMS-1655
- Non-volatile memory
- LCD touchscreen
- Password protected with 4 access levels to prevent unauthorized access
- Unoccupied mode helps eliminate nuisance alarms and save energy
- BACnet®, N2, and LonWorks® communication protocols

Repair Information

If the FMS-1655 fails to operate within its specifications, replace the unit. For a replacement FMS-1655 contact the nearest Johnson Controls representative.

Applications

- Airborne infection isolation (AII) rooms - negative pressure
- Protective environment (PE) isolation rooms - positive pressure
- AII and PE room with an anteroom
- Operating rooms (ORs)
- Compounding pharmacies
- Pandemic preparedness rooms
- Intensive care units
- Laboratories and vivariums
- Burn units
- Bronchoscopy suites
- Mortuary preparation rooms / autopsy rooms
- Data centers
- Laundry areas, food prep, construction

Related Accessories

Product Code Number	Description
HE-6863-1N00WS	Combination humidity and temperature sensor
NS-WALLPLATE-0	Wallbox adaptor for HE-6899 Series Humidity Sensor
HT-6702-0N00W	Humidity sensor
LB-FMS1655-RT; LB-FMS1655-RS	Remote display with either stainless steel thin mount or plastic surface mount housing
MS-BACEOL-0	End of line terminator

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Technical Specifications

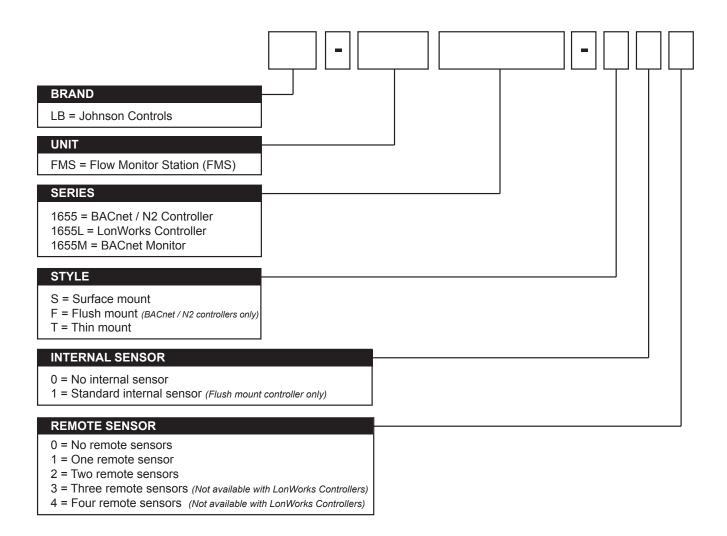|	
Pressure Range	±0.2500" wc
Alarm Range	±0.2500" wc
Display Range	±0.2500" wc
Accuracy	±0.5 % full scale
Air Flow Sensor Type	Digital differential pressure
Control Resolution	±0.0010" wc
Control Capability	Up to 4 independent spaces[1]
I/O Resources[2]	4 universal inputs (4-20mA, 0-5VDC, 0-10VDC) 2 thermistor inputs (NTC Type 2 or 3, 10K at 77° F) 4 universal outputs (4-20mA, 0-5VDC, 0-10VDC) 4 digital inputs (active-high or active-low 0-5VDC or 0-24VDC) 3 relay outputs (NO or NC contacts 1A at 24VDC)
Operating Temperature	32° to 125° F
Operating Humidity	10-95% relative humidity, non-condensing
Mounting Options	Stainless steel flush mount, stainless steel thin mount (for shallow wall cavities), plastic surface mount
Display	18-bit (262K) color TFT, 3.2" diagonal, resistive touchscreen, 2500 cd/m2
Alarm Indication	Safety Halo™ color coded visual, audible alarm
Alarm Silence	Touchscreen, auto-reset
Display	18-bit (262K) color TFT, 3.2" diagonal, resistive touchscreen, 2500 cd/m2
Password Protection	Up to 10 user passwords with 4 access levels
Communications Protocol	BACnet® MS/TP (to BAS) 76.8k, 38.4k,19.2k, 9600 baud LonWorks® FTT-10A *Metasys* N2 open
Input Power	24 VAC, 50/60 Hz, 30VA, 15 to 40 VDC
Pluggable Screw Terminal Blocks	18 to 22 AWG (1.0 to 0.6 mm diameter)
Dimensions	Stainless steel flush mount housing: 5.6" W x 8.5" H x 1.9" D Stainless steel flush mount thin housing: 5.6" W x 8.5" H x 0.75" D Plastic surface mount housing: 3" W x 5" H x 1.13" D
Compliance	BTL Listing, SGS US Listing, SGS Canada Listing, FCC Part 15, ICES-003

[1] *LB-FMS1655L-X-XXX series limited to controlling 2 independent spaces.*
[2] *LB-FMS-1655M-XXX series units I/O resources are limited (see Installation Manual for details).*

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Product Ordering Guide

BRAND

LB = Johnson Controls

UNIT

FMS = Flow Monitor Station (FMS)

SERIES

1655 = BACnet / N2 Controller
1655L = LonWorks Controller
1655M = BACnet Monitor

STYLE

S = Surface mount
F = Flush mount *(BACnet / N2 controllers only)*
T = Thin mount

INTERNAL SENSOR

0 = No internal sensor
1 = Standard internal sensor *(Flush mount controller only)*

REMOTE SENSOR

0 = No remote sensors
1 = One remote sensor
2 = Two remote sensors
3 = Three remote sensors *(Not available with LonWorks Controllers)*
4 = Four remote sensors *(Not available with LonWorks Controllers)*