

FMS-1650 Room Pressure Controller Data Sheet



FMS-1650

The FMS-1650 is a highly accurate, dependable room pressure controller ideal for clean rooms and isolation rooms. It features a user-friendly, modern touchscreen that simultaneously displays room pressure, humidity, temperature, air changes, alarm status, time, and date.

Users can control up to four different spaces with a single unit. It is available in surface mount, or the sleek stainless steel flush mount for busy hallways. It is also available in a thin flush mount for shallow wall cavities.

This highly sensitive instrument has a pressure/flow resolution to 0.0001" wc for maximum safety. The FMS-1650 instantly updates as conditions change and communicates alarms both visually and audibly.

Its flexible design includes six analog and four digital inputs (along with four relay and four PID outputs) to allow for a variety of configuration options.

FEATURES INCLUDE

- BACnet[®] MS/TP and Metasys[®] N2 native
- Full-color, user-friendly touchscreen
- Available in surface or flush mount
- Intuitive control menus, easy to set up
- Real-time air changes per hour
- Ability to report room status, pressure, time, date, and room conditions simultaneously
- Password protection with four access levels
- Audible and visual alarms
- Non-volatile memory

FMS-1650

Room Pressure Controller

Data Sheet

FMS-1650 Specifications	
Pressure Range	±0.2500" wc
Alarm Range	±0.2500" wc
Display Range	±0.2500" wc
Accuracy	±0.5% FS
Air Flow Sensor	Digital differential pressure
Control Resolution	±0.0010" wc
Control Capability	Up to 4 independent spaces
Analog Inputs	4 universal (4-20mA, 0-5Vdc, 0-10Vdc) 2 thermistor inputs (NTC Type 2 or 3, 10KΩ at 25°C)
Analog Outputs	4 universal (4-20mA, 0-5Vdc, 0-10Vdc)
Digital Inputs	4 active-high or active-low (0-5Vdc or 0-24Vdc)
Relay Outputs	4 sets of N.O. or N.C. contacts (1A at 24Vdc)
Communication Protocols	BACnet® MS/TP, Metasys® N2 open
Operating Temperature	32° to 125° F operating
Operating Humidity	10-95% relative humidity, non-condensing
Exterior Dimensions	Brushed stainless steel flush mount housing: 5.6" W x 8.5" H x 1.9" D
	Brushed stainless steel thin mount housing: 5.6" W x 8.5" H x ½" D
	Plastic surface mount housing: 3" W x 5" H x ¾" D
Mounting Styles	Flush, thin, or surface
Agency Listings	BTL Listing, SGS Listing, FCC Part 15, ICES-003
Power Requirements	24Vac ±10%, 30VA
Password Protection	Up to 10 user passwords with 4 access levels
Display	18-bit (262K) color TFT, 3.2" diagonal, resistive touchscreen, 2500 cd/m2
Alarm Indication	Industry standard status colors
Alarm Silence	Touchscreen, auto-reset

Product specifications are subject to change without notice. Triatek is a registered trademark of Triatek LLC.



The FMS-1650 has the ability to control up to 4 spaces simultaneously



Sleek stainless steel flush mount, perfect for busy hallways



Part Number Guide

FMS1650 - [] - [] - [] []

Case Style
S = surface
F = flush
T = thin

Internal Sensor
0 = no internal sensor
1 = standard internal sensor

Remote Sensors
0 = no remote sensors (demo)
1 = one standard remote sensor
2 = two standard remote sensors
3 = three standard remote sensors
4 = four standard remote sensors
A = optional no-flow remote sensor
B = custom remote sensor
N = no remote sensors

Optional Sensors
Blank = no optional sensors
1 = one optional remote sensor
2 = two optional remote sensors
3 = three optional remote sensors
4 = four optional remote sensors



The flush mount option is also available in thin mount for shallow wall cavities