

PresSura™ Model 8631-CRM-P Clean Room Pressure Monitor

Description

The Model 8631-CRM-P PRESSURA Clean Room Pressure Controller is designed to measure the pressure differential in clean rooms. The Model 8631-CRM measures the actual room pressure differential using TSI's unique bi-directional pressure sensor or a pressure transducer.

If the pressure differential is too great, too small, or the wrong direction, the Model 8631-CRM will activate audible and visual alarms. An adjustable alarm delay avoids nuisance alarms when a door is opened.

The Model 8631-CRM easily integrates to the building management system, using LonWorks® or optional BACnet® communications, an analog output of the measured pressure differential and alarm relays.



Features

- Maintaining pressure differential called for in Good Manufacturing Practices
- Direct pressure measurement provides continuous monitoring
- Second pressure sensor input monitors air lock-corridor pressure differential
- Audible and visual alarms warn staff of unsafe conditions
- Convenient keypad and display support local programming
- Passwords prevent unauthorized access to monitor functions

Selection Chart

	8631-CRM-P	8631-CRM-P-BAC
Low Alarm Contact	•	•
Second Sensor Input for Airlock	•	•
LonWorks Communications	•	
BACnet MS/TP Communications		•

Items Included

Digital interface module
Flush-mount thermal pressure sensor assembly
Transformer, 120:24 VAC, 25 VA
Transformer cable, 25 ft

Hardware Options

Flowstation
Remote alarms
Flush-mount pressure transducer assembly

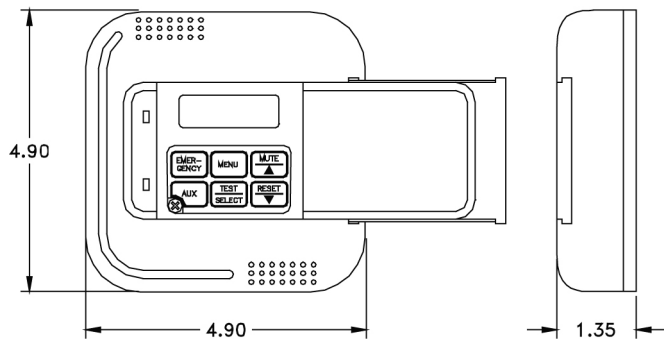
PRESSURA is a trademark of TSI Incorporated.
BACnet is a registered trademark of ASHRAE.
LonWorks is a registered trademark of Echelon® Corporation.



TRUST. SCIENCE. INNOVATION.

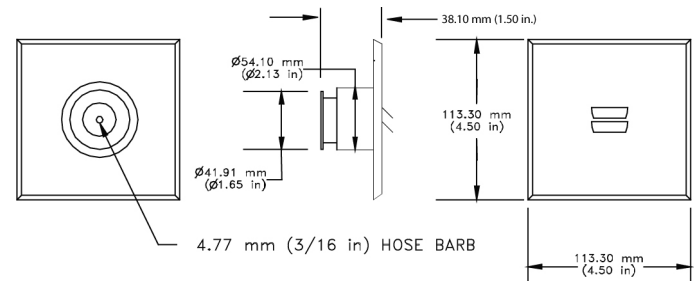
Digital Interface Module Specifications

Display Range	Pressure transducer range
Low Alarm Range	To 0.005 in. H ₂ O of pressure transducer range
High Alarm Range	To 0.005 in. H ₂ O of pressure transducer range
Alarm Contacts	SPST (NO) Max Current 5A Max voltage 150 VDC, 250 VAC Min switch load 10 mA, 5 DC
Flow Inputs	(2) 0–10 VDC
Control Output	0–10 VDC
User Configurable Analog Output	Signal: 0–10 VDC Range: -0.100 to +0.100 in H ₂ O -0.010 to +0.010 in H ₂ O
Operating Temperature	32 to 120°F
Input Power	24 VAC, 5 W max
Size (HxWxD)	4.90 in. x 4.90 in. x 1.35 in.
Weight	0.7 lb



Sensor Specifications

Range Field-selectable	0 to 1 in. H ₂ O 0 to 0.5 in. H ₂ O 0 to 0.25 in. H ₂ O -0.5 to +0.5 in. H ₂ O -0.25 to +0.25 in. H ₂ O -0.125 to +0.125 in. H ₂ O
Accuracy	±1% FS
Temp. Comp. Range	25 to 150°F
Output Signal Field-selectable	0 to 5 V 0 to 10 V
Power Input	24 VAC
Weight	1.0 lb



Specifications subject to change without notice.

TSI Incorporated – 500 Cardigan Road, Shoreview, MN 55126 U.S.A

USA	Tel: +1 800 874 2811	E-mail: info@tsi.com	Website: www.tsi.com
UK	Tel: +44 149 4 459200	E-mail: tsiuk@tsi.com	Website: www.tsiinc.co.uk
France	Tel: +33 491 95 21 90	E-mail: tsifrance@tsi.com	Website: www.tsiinc.fr
Germany	Tel: +49 241 523030	E-mail: tsigmbh@tsi.com	Website: www.tsiinc.de
India	Tel: +91 80 41132470	E-mail: tsi-india@tsi.com	
China	Tel: +86 10 8260 1595	E-mail: tsibeijing@tsi.com	



TRUST. SCIENCE. INNOVATION.

Contact your local TSI Distributor or visit our website www.tsi.com for more detailed specifications.