



INDOOR AIR QUALITY MONITORING

The Nose Monitor is a leading edge, indoor air quality monitoring technology, ideal for complete building automation control and compatible with standard control systems. It's a compact, all-in-one sensing device for the five key indoor parameters – temperature, humidity, carbon dioxide, carbon monoxide and odors and gases. The five sensors have been integrated into a single-print circuit board, mounted in a thermoplastic housing. The Nose was designed for automated testing and manufactured to deliver maximum customer value.

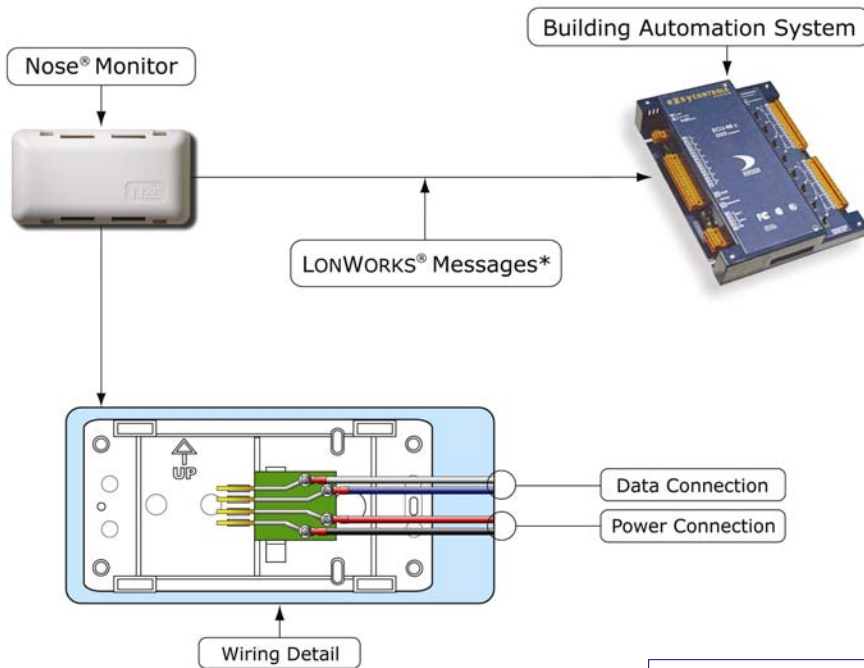
CUSTOMER BENEFITS

- ▲ Real-Time Demand Ventilation Control for Energy Savings
- ▲ Key IAQ Readings for Complete Comfort and Productivity
- ▲ LONWORKS® Messaging for Cost-Effective Control Integration
- ▲ Optimal Building Air Quality Performance
- ▲ Simplified, Minimal Cost Wiring
- ▲ Quick Disconnect Design for Simple Maintenance
- ▲ Integrated Software for Accurate and Repeatable Measurements.

PRODUCT FEATURES

- ▲ Continuous, Real-Time Monitoring
- ▲ High Quality Sensors
- ▲ LONMARK® Certified
- ▲ Simple Wiring
- ▲ Easy Installation
- ▲ Integrated Sensing
- ▲ Each Nose has Unique Identity in Data Collection System

HOW THE NOSE MONITOR WORKS



Continuously monitors five IAQ parameters and provides that information as a standard LONWORKS® (Standard Network Variable Types) SNVT messages for use by building automation and control systems.

Multiple Nose Monitors can be installed in key locations within the facility and connected via the same LONWORKS® twisted pair communication line for use in the building control system.

It provides the building services provider the information necessary to go the next step, beyond basic temperature control, in managing a building's comfort and energy.

**Notice: The Nose Monitor is a microprocessor-controlled device that requires the use of proprietary software. This custom software is protected by applicable law and requires the purchaser to accept an end user license agreement (EULA) that is available upon request.*



Tri-Dim Filter Corporation is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice. Tri-Dim® and Tri-Dek® are Registered Trademarks of Tri-Dim Filter Corporation. "The Nose Knows" and the "Electronic Nose" are trademarks; "PureTrac", "The Nose" and "PureChoice" are Registered Trademarks of PureChoice, Inc. US Patent #5,892,690

Specifications

Temperature:	
Range:	0 to 38 C (32 to 100 F)
Accuracy:	+/- 0.5 C (0.8 F)
Resolution:	0.1 C (0.18 F)
Humidity:	
Range:	0 to 100% rh, non-condensing
Accuracy:	+/- 10% of reading or 5% rh, whichever is greater
Resolution:	1% rh
CO:	
Range:	0 - 200 ppm
Accuracy:	+/- 10% of reading or 10 ppm, whichever is greater
Resolution:	1 ppm
CO2:	
Range:	0 - 10,000 ppm
Accuracy:	+/- 5% of reading or 100 ppm, whichever is greater
Resolution:	10 ppm
Odors and Gases:	
Range:	0 - 100%
Repeatability:	+/- 10% of reading or 5% O&G, whichever is greater
Resolution:	1% O&G
Power Requirements:	
Input Power:	24 to 41 VDC, ~3.5 watts
Wiring/Cabling:	2 twisted pair (18 ga., unshielded), max. length of 1500'
Dimensions:	4"(H) x 8"(W) x 1.5"(D)
Operational Requirement:	
Data collection requires LONWORKS® compatibility.	

Nose® Monitor Network Variable Cross Reference

Network Variable	Message	Description
nvoHVACTemp1	SNVT_temp_p	Temperature
nvoHVACRH2	SNVT_lev_percent	Humidity (RH)
nvoCO2ppm3	SNVT_ppm	Carbon Dioxide (CO2)
nvoCOppm4	SNVT_ppm	Carbon Monoxide (CO)
nvoONGppm5	SNVT_lev_percent	Odors and Gases



TRI-DIM FILTER CORPORATION
P.O. BOX 466 • 93 INDUSTRIAL DRIVE
LOUISA, VA 23093

(540) 967-2600 • FAX: (540) 967-2835

EMAIL: info@tridim.com • Website: www.tridim.com

TOLL FREE 1-800-458-9835

Local Representation: