



Product Overview

The AX-GS-TC3-NO2 Nitrogen Dioxide Transmitter uses an electrochemical element to monitor Nitrogen Dioxide levels within the range of 0-20ppm and outputs either a linear 4-20mA signal or in the addressable versions an addressable 4 wire signal. The element is housed in a Weatherproof ABS housing with the option of internal or external pellistor.

Features

- Wall Mounted
- Optional Duct Sampling Kit
- Monitors Nitrogen Dioxide over range 0-20ppm
- 4-20mA Linear Output or Addressable
- IP54 ABS Housing
- For Safe Area Sensing

Product Specifications

Power Supply:		18 to 28Vdc (nominal 24Vdc)
Gas:		Nitrogen Dioxide
Sensor Type:		Electrochemical
Sensor Range:		0-20ppm
Typical Cell Life:		2 years
Stability:		<5% signal loss per year
Accuracy:		±2% FSD
Output:	TC3	4-20mA (250 Ohms max)
	TC3A	4-wire addressable (250 Ohms max)
Protection:		IP54
Housing:	TC3	Internal Pellistor ABS
	TC31	External Pellistor ABS
Ambient Temperature:		-5 to +50°C, 0-95% RH non-condensing
Dimensions and Weight:		148 x 88 x 47mm, 425g
Conformity:		CE Marked, EN ISO/IEC 17050-1:2004
	EMC	2004/108/EC
	Low Voltage	2006/95/EC
	Gas	EN61779-1:2000, EN50271:2018
Country of Origin:		UK

Order Codes

AX-GS-TC3-NO2	Wall Mounted Nitrogen Dioxide Sensor, Internal Pellistor, Analogue Output 0-20ppm
AX-GS-TC3A-NO2	Wall Mounted Nitrogen Dioxide Sensor, Internal Pellistor, Addressable 0-20ppm
AX-GS-TC3-DPT	Duct Pitot Kit

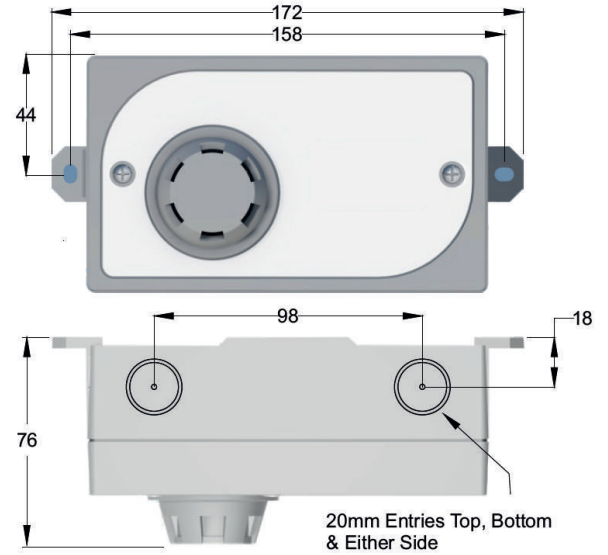
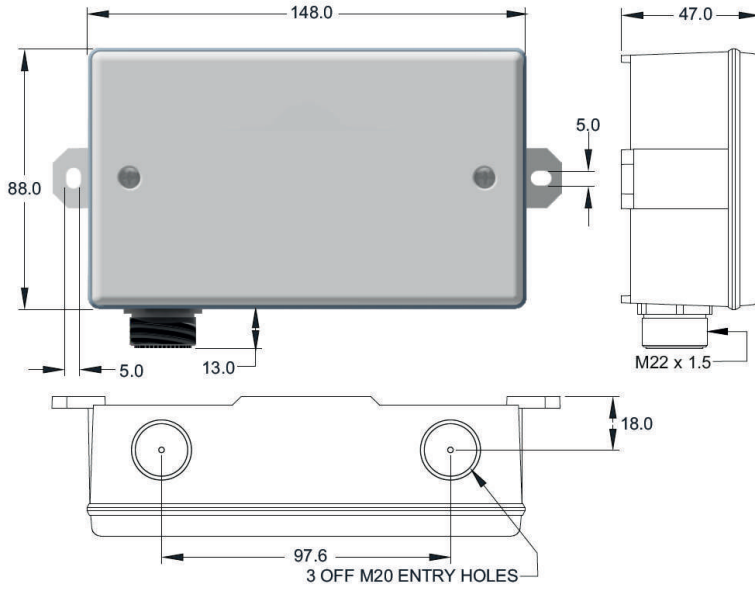
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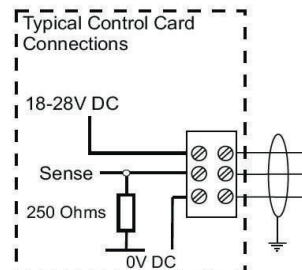
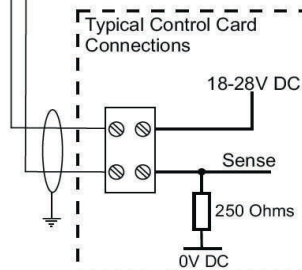
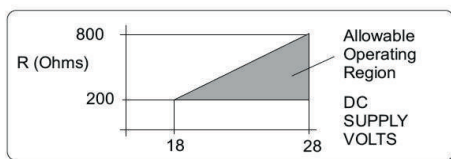
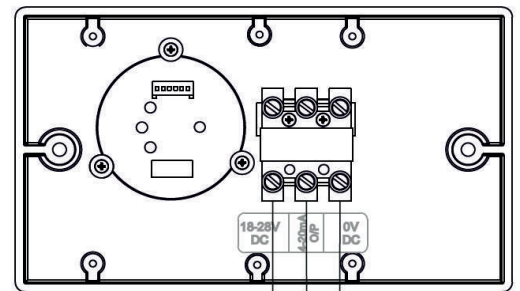
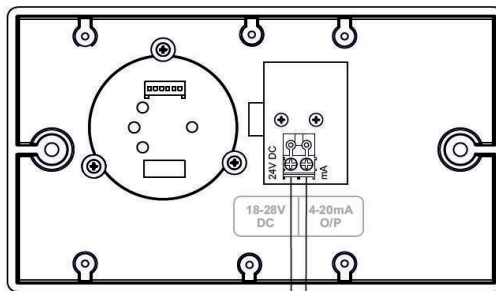
Dimensions



Connections - Analogue Versions

2 Wire Loop Powered Connection (Typical for CO,NO,NO2,O2)

3 Wire Connection (Typically CO2 Sensors)

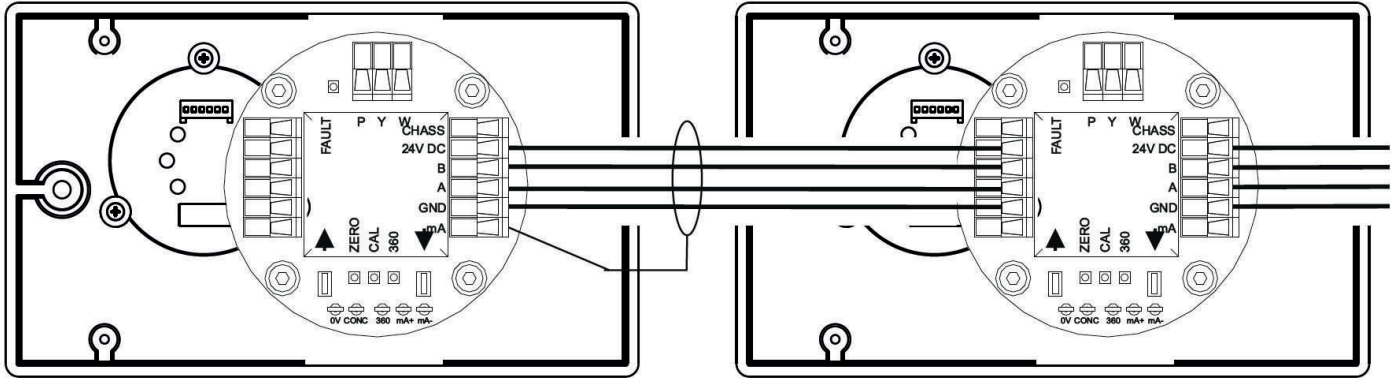


AX-GS-TC3-NO2

Nitrogen Dioxide sensors - Wall Mount

AXIO

Connections - Addressable Versions



Installation

The AX-GS-TC3-NO2 series of Nitrogen Dioxide Transmitters should be installed by a suitably qualified technician in accordance with any guidelines for the device and the equipment which it is to be connected to. Field wiring should be installed to satisfy the requirements set out by the manufacturer of the equipment being connected to. As a general rule screened cable should be used to connect signal to a BMS or other controller.

Ensure that all power is disconnected before carrying out any work on the transmitter.

Datasheet Contents

Every effort has been taken in the production of this data sheet to ensure accuracy. Axio do not accept responsibility for any damage, expense, injury, loss or consequential loss resulting from any errors or omissions. Axio has a policy of continuous improvement and reserves the right to change this specification without notice.