Z-Gard® S **4-20 mA Sensor**

Quick Start Guide

The Safety Company



Features

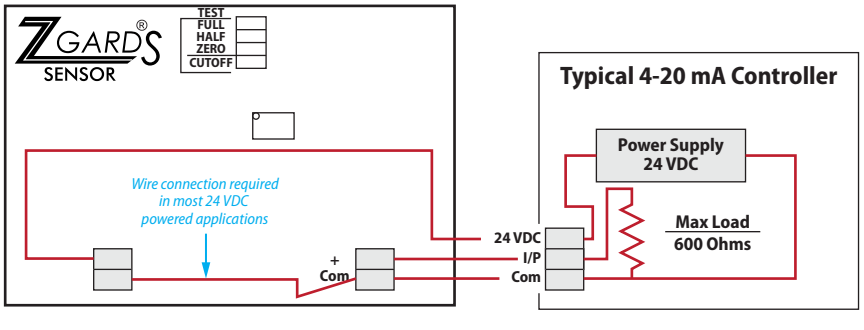
- Calibration by MSA calibration magnet
- Power 18 V to 30 VAC or DC @ 100 mA
- *Note:* Current for combustibles is 250 mA
- Power to 4-20 mA is isolated
- 4-20 mA output drive is 600 Ohms max
- Gas available: CO, NO_2, and Combustibles

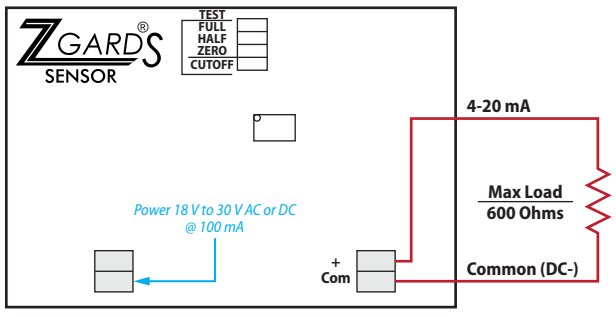
MSA Part Numbers		Z-Gard Sensor Description
With Base	No Base	Description
10070226	10147428	CO–100 ppm Sensor Solid State, 4-20 mA
10070215	10147579	CO–200 ppm Sensor Solid State, 4-20 mA
10070224	10147583	CO–100 ppm Sensor E-Chem, 4-20 mA
10070225	10147587	CO–200 ppm Sensor E-Chem, 4-20 mA
10070866	10147591	NO–10 ppm Sensor E-Chem, 4-20 mA
10128978	10147595	Combustible 100% LEL Sensor, 4-20 mA
10063811	—	DS, NO–10 ppm & CO 100 ppm, 4-20 mA

MSA Part Numbers	Calibration Gas for Sensors
710882	60 ppm Carbon Moxide in Air
710332	5 ppm Nitrogen Dioxide in Air
10028032	2.5% LEL, Methane in Air

Suggested 4-20 mA Cable	
Gauge (AWG#)	2-Wire Shielded Cable
22	Alpha Wire 2211SL005
20	Alpha Wire 3231SL005

Power Cable Length vs. Size (AWG#)								
Cable Length (feet)	No. of Sensors	4	6	8	10	12	14	16
1–500	AWG#	20	20	20	20	20	18	18
501–1,000	AWG#	20	18	18	18	16	16	16
1,001–1,500	AWG#	18	16	16	14	14	14	14
1,501–2,000	AWG#	16	14	14	12	12	12	12





TRIAD control Transformer (Class 2) #TCT40-01E07K will power 14 Z-Gard Sensors

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Because every life has a ***purpose...***