

Z-Gard® S CXII PR

Quick Start Guide



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 Data output is isolated
- Data output (RS485) is CXII PR protocol
- Gas available: CO, NO₂, and Combustibles

MSA Part Numbers		Z-Gard Sensor Description
With Base	No Base	Description
10150381	10150387	CO-100 ppm Sensor Solid State, PR
10150382	10150388	CO-200 ppm Sensor Solid State, PR
10150383	10150389	CO-100 ppm Sensor E-Chem, PR
10150384	10150390	CO-200 ppm Sensor E-Chem, PR
10150385	10150391	NO-10 ppm Sensor E-Chem, PR
10150386	10150392	Combustible 100% LEL Sensor, PR
10150691	—	DS, NO-10 ppm & CO 100 ppm, PR

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 Data 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

