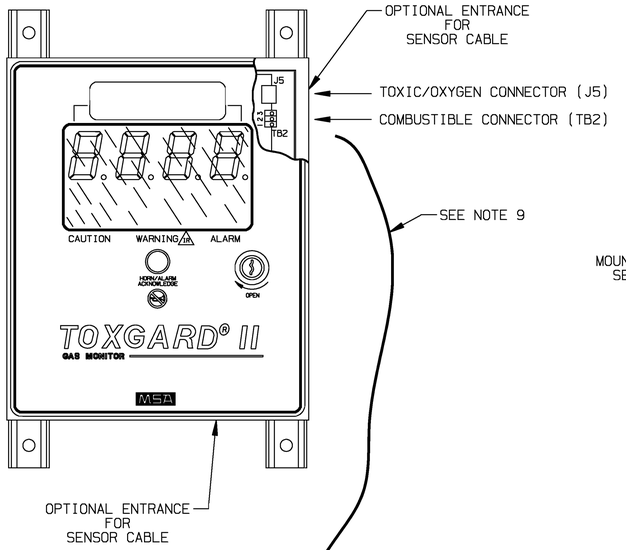
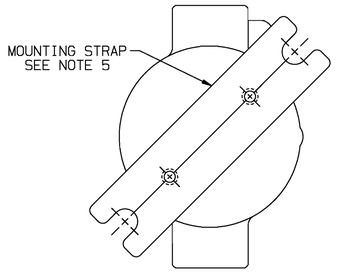




OPTIONAL MOUNTING STRAP

A – TOX – □ – □ – □ – □ – □ – □ – □ – □ – □ – □ – □ – □ – □ – □

GAS CODE
11 CARBON MONOXIDE 100PPM
12 CARBON MONOXIDE 500PPM
14 OXYGEN 25%
15 HYDROGEN SULFIDE 10PPM
16 HYDROGEN SULFIDE 50PPM
17 HYDROGEN SULFIDE 100PPM
18 CHLORINE 5PPM
19 SULFUR DIOXIDE 25PM
20 NITRIC OXIDE 100PPM
21 NITROGEN DIOXIDE 10PPM
22 HYDGROGEN CYANIDE 50PPM
23 HYDROGEN CHLORIDE 100PPM
24 CHLORINE DIOXIDE 3PPM
31 COMBUSTIBLE 100%LEL NAT GAS & HYDROGEN
32 COMBUSTIBLE 100%LEL PETROLEUM VAPORS
33 COMBUSTIBLE 100%LEL SOLVENTS

SENSOR MOUNT
SM=SIDE
BM=BOTTOM
RG=GP REMOTE
RX=XP REMOTE

SAMPLING SYSTEM
0=NONE
P=DC PUMP
A=ASPIRATED PUMP
M=AIRLINE MONITOR
F=FLOWBLOCK

STROBES
0=NONE
1=ALARM
2=ALARM & WARNING

HORNS
1=PIEZO
2=FEDERAL
3=BANSHEE

BATTERY BACKUP
0=NONE
B=BATTERY

APPROVALS
0=STANDARD
1=CLASS1 DIV2

0=NONE
H=HANDLE

0=SLOTTED LOCK
K=KEY LOCK

0=NON-ISOLATED 4-20mA
1=ISOLATED 4-20ma OUTPUT
2=DIGITAL NETWORK
3=BOTH 1 AND 2

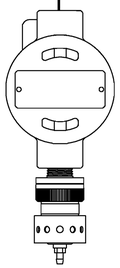
IR ACCESSORIES
0=NONE
1=CALIBRATOR
2=CONTROLLER
3=BOTH

AUTOCAL
0=NONE
1=AUTOCAL G/P
2=AUTOCAL X/P

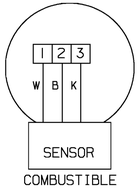
0=NONE
1=DUCT MT KIT
2=STRAP

CUSTOM
0=NONE
T=TAGGING

50 FEET MAX. (CUT TO LENGTH)



SEE NOTE 8



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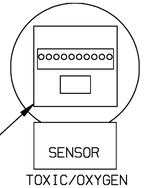
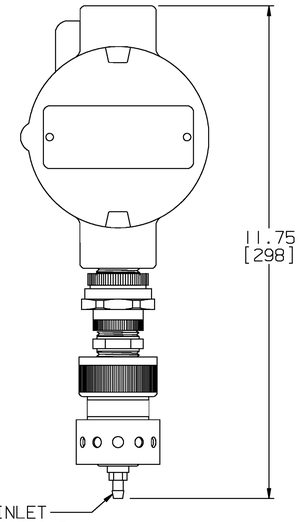
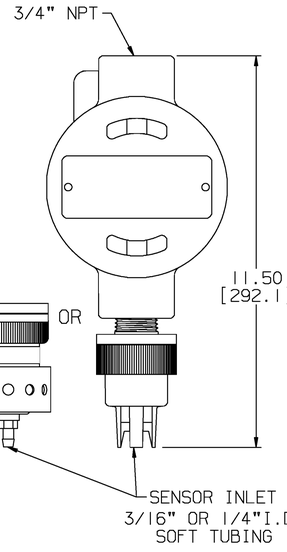




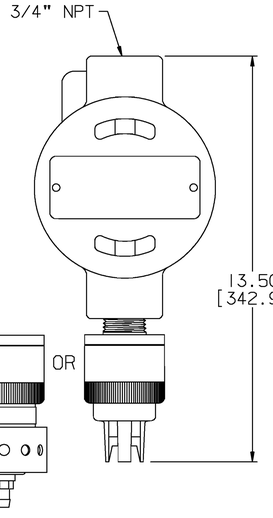
COMBUSTIBLE
EXPLOSION-PROOF HOUSING

RATING: CLASS I, GROUP A, B, C AND D, DIVISION I
WEIGHT: 3.0 LBS.
MATERIAL: CAST ALUMINUM



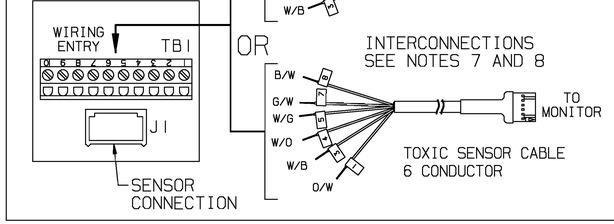
TOXIC/OXYGEN
GENERAL-PURPOSE HOUSING

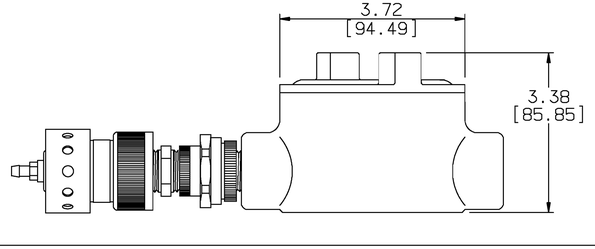
RATING: NON-HAZARDOUS
WEIGHT: 3.0 LBS.
MATERIAL: CAST ALUMINUM

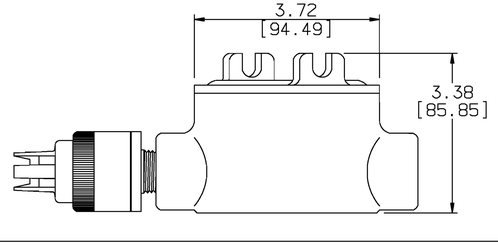


TOXIC/OXYGEN
EXPLOSION-PROOF HOUSING

RATING: CLASS I, GROUP B, C AND D, DIVISION I
WEIGHT: 3.5 LBS.
MATERIAL: CAST ALUMINUM







COMBUSTIBLE SENSOR ONLY, WIRING TO REMOTE CONDULET (FOR TOXIC/OXYGEN SENSORS, SEE NOTE 4)	
IN ALL INSTALLATIONS, INSTRUMENT QUALITY CABLE IS RECOMMENDED. IN APPLICATIONS WHERE INTERFERENCES FROM RFI OR EMI OR OTHER NOISE SOURCES EXIST, SHIELDED CABLE AND/OR CONDUIT IS RECOMMENDED.	
MINIMUM WIRE SIZE	MAXIMUM CABLE LENGTH IN FEET
12 AWG	50
14 AWG	25
18 AWG	15

CUSTOMER _____
P.O. # _____
MSA # _____
LOCATION _____
TAG # _____
TOTAL NO. OF UNITS _____

NOTE:
1. DIMENSIONS IN INCHES(MILLIMETERS).
2. INSTALL WITH SENSOR FACING DOWN.
3. FOR MORE INFORMATION REFER TO MANUAL #71266
4. TOXIC AND OXYGEN UNITS ARE SUPPLIED WITH CABLE. COMBUSTIBLE REQUIRES USER SUPPLIED 3 COND. CABLE (SEE CHART).
5. P/N 655700 IS AN OPTIONAL MOUNTING KIT.
6. FOR MAIN ENCLOSURE DETAILS SEE SK3015-341.
7. WIRING HARNESS 50 FEET LONG PRE-WIRED, CUT TO LENGTH.
8. WIRE AND TERMINAL BLOCK LABELS CORRESPOND DIRECTLY. (ie: 1 TO 1, 2 TO 2, 3 TO 3 etc.)
9. REMOTE CABLE PLUG FOR TOXIC/OXYGEN UNITS CONNECTS TO "J5" AT MONITOR. THREE WIRE CABLE FROM REMOTE COMBUSTIBLE UNIT WIRES TO "TB2".

REVISIONS

DOCUMENT CONTROLLED BY		FILE REF. NO. DR001-015	"THIS DRAWING IS THE PROPERTY OF MINE SAFETY APPLIANCES COMPANY, PITTSBURGH, PENNSYLVANIA, AND IS MADE AVAILABLE TO YOU IN CONFIDENCE AND SUBJECT TO THE FOLLOWING: NO PERMISSION IS GRANTED TO PUBLISH, USE, REPRODUCE, TRANSMIT OR DISCLOSE THIS DRAWING, OR ANY INFORMATION OR IDEA CONTAINED THEREIN TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF MINE SAFETY APPLIANCES COMPANY EXCEPT FOR THE MANUFACTURE OF ARTICLES FOR MINE SAFETY APPLIANCES COMPANY."	DO NOT SCALE DWG.
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AUTHORIZED COUNTRY		MSA STANDARD SHOP PRACTICES APPLY		
AUER	M. EAST	CODE SYMBOLS CRITICAL ⚠ MAJOR A ⚠ MAJOR B ⚠ MINOR(NO MARK)	DRAWN BY GJT DATE 1-13-98	JOB NO. E611680 SCALE NTS
AUSTRALIA	MSA EUROPE			
BRAZIL	NETHERLANDS			
CANADA	PERU	TOLERANCES UNLESS OTHERWISE SPECIFIED	CHECKED BY C.STARTA 2-2-98	AGENCY CONTROLLED YES ☒ NO
CHILE	S.E. ASIA	FRACTIONAL ±1/64"		
CHINA	SPAIN	2 PL.DEC. ±.01	PROJECT ENGINEER C.STARTA 2-2-98	INSTALLATION OUTLINE DRAWING, TOXGARD II (REMOTE SENSOR
FRANCE	SWEDEN	3 PL.DEC. ±.005		
INDIA	MSA BRITAIN	ANGULAR ±1/2°	QUALITY ASSURANCE K.McKEIGUE 2-4-98	
ITALY		SEE MSA STANDARD SHOP PRACTICES FOR DRILLED HOLE TOLERANCES.	MANUFACTURING G.SEIGH 2-4-98	D SK3015-340
JAPAN				
MEXICO				