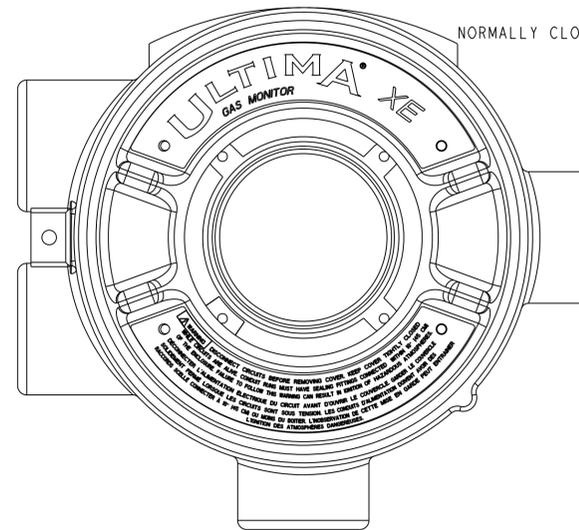
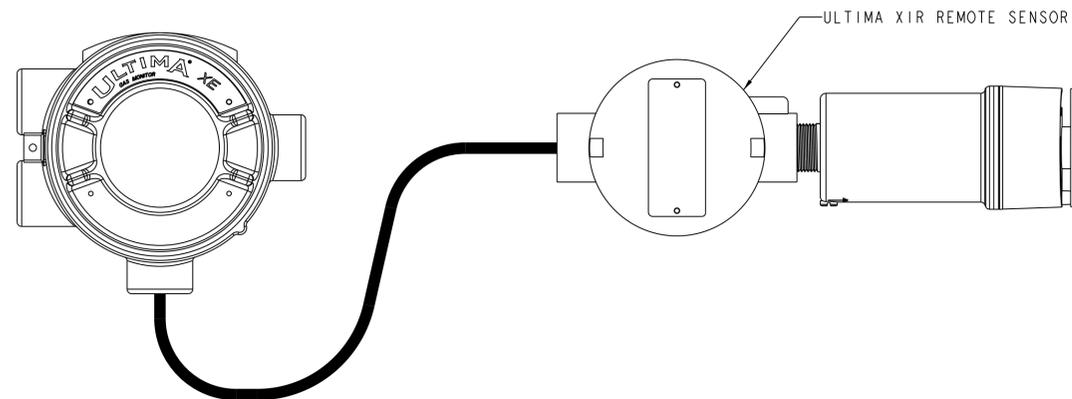
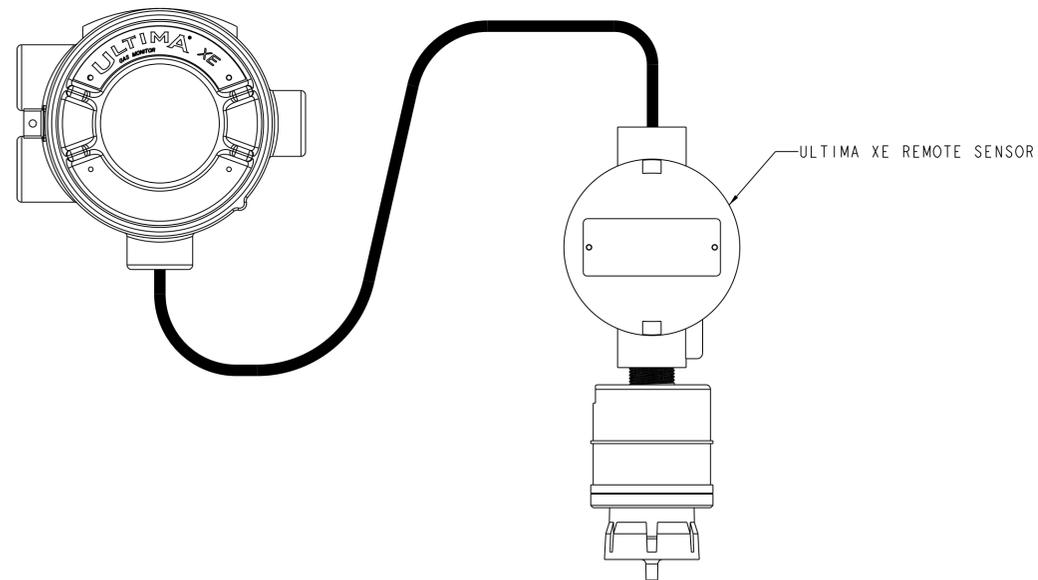
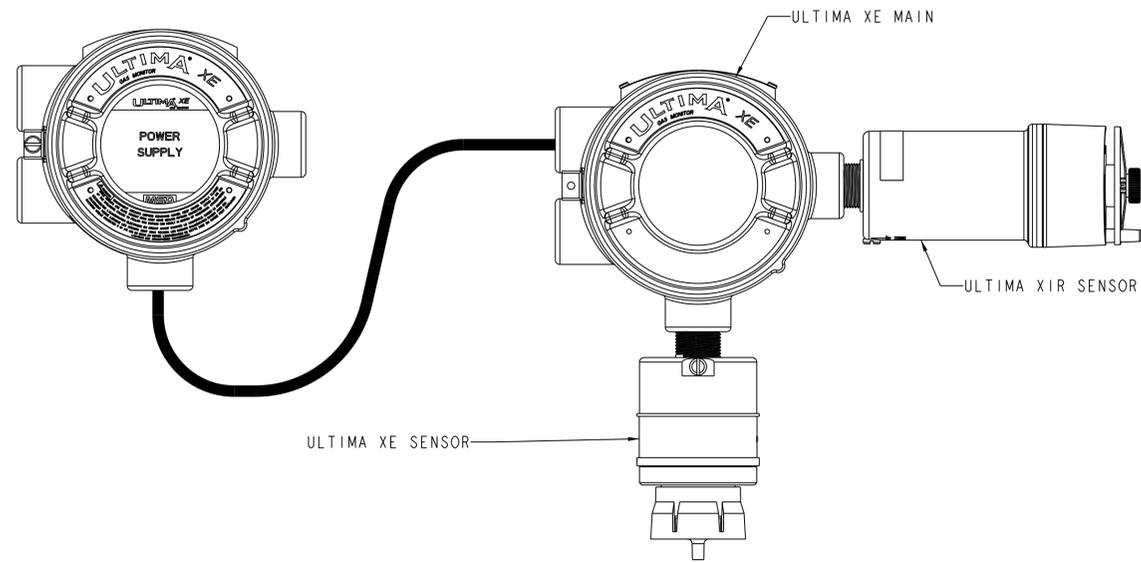
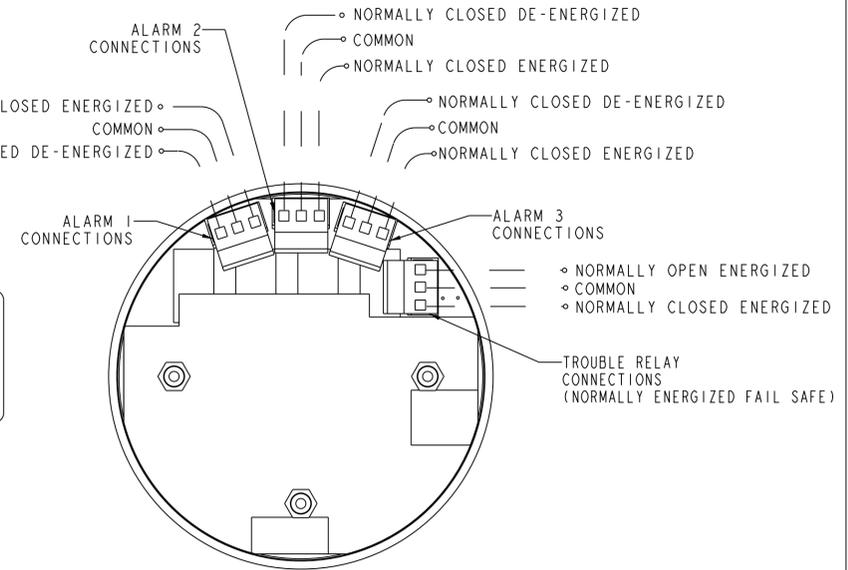


CONFIGURATIONS



ULTIMA XE MAIN (A-ULTIMX...)



ULTIMA XE MAIN INTERNAL VIEW

HAZARDOUS (CLASSIFIED) LOCATION
CLASS 1, ZONE 2, GROUPS IIC, IIB, IIA
OR
CLASS 1, DIVISION 2, GROUPS A,B,C,D

ULTIMA XE MAIN (A-ULTIMX...)	
TERMINALS	ENTITY
ALARM 1	$V_{max} = 30V, I_{max} = 100mA,$ $C_i = 0\mu F, L_i = 0 mH$
ALARM 2	
ALARM 3	
TROUBLE RELAY	

NOTES:

- THE NONINCENDIVE FIELD WIRING MUST BE INSTALLED IN ACCORDANCE WITH THE ELECTRICAL CODE OF THE COUNTRY IN WHICH THE PRODUCT IS USED
- WARNING - EXPLOSION HAZARD - SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS 1, DIV 2.
- WARNING - EXPLOSION HAZARD - DO NOT DISCONNECT EQUIPMENT UNLESS POWER HAS BEEN SWITCHED OFF OR THE AREA IS KNOWN TO BE NON-HAZARDOUS.
- THE FOLLOWING ENTITY CONDITIONS MUST BE MET:
 $V_{oc} < V_{max}$
 $I_{sc} < I_{max}$
 $C_a > C_i + C_{cable}$
 $L_a > L_i + L_{cable}$
- WHEN CABLE PARAMETERS ARE UNKNOWN, THE FOLLOWING VALUES MAY BE USED:
 CAPACITANCE: 200 pF/M (60 pF/FT)
 INDUCTANCE: 0.66 uH/M (0.20 uH/FT)

AUTHORIZED COUNTRY	MSA	MINE SAFETY APPLIANCES CO. PITTSBURGH, PA 15230, USA	THIS DRAWING IS THE PROPERTY OF MSA 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 CONTAINED THEREIN TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF MSA EXCEPT FOR THE MANUFACTURE OF ARTICLES FOR MSA. SCHUTZVERMERK NACH DIN 34 BEACHTEN. MSA AUER GmbH.	DO NOT SCALE DWG.
	MSA STANDARD SHOP PRACTICES APPLY	JOB NO. E30008403 PH0718	APPROVAL AGENCY CODE: YES NIOSH ATTR. DOC.:	
	CODE SYMBOLS	DATE 4-30-2008		
	CRITICAL Δ	DRAWN BY LB		
	MAJOR A Δ (NO MARK)	CHECKED BY W. BENNETT 5-20-08		
	MAJOR B Δ	PROJ. ENGR. C. LEHECKA 5-20-08		
	100% INSPECTION Δ	QUALITY ASSURANCE J. DANNHARDT 5-20-08		
	TOLERANCES UNLESS OTHERWISE SPECIFIED	MANUFACTURING A. POLOCHAK 5-20-08		
	FRACTIONAL $\pm 1/64$			
	2 PL DEC. ± 0.01			
	3 PL DEC. ± 0.005			
	ANGULAR ± 1 deg.			
	SEE MSA STANDARD SHOP PRACTICES FOR DRILLED HOLE TOLERANCES			
			CADD REF: SK3098-1108	SCALE: 1:000
				SHEET 1 OF 1

FM APPROVALS,
CONTROL DRAWING,
ULTIMA X SERIES

SK3098-1108