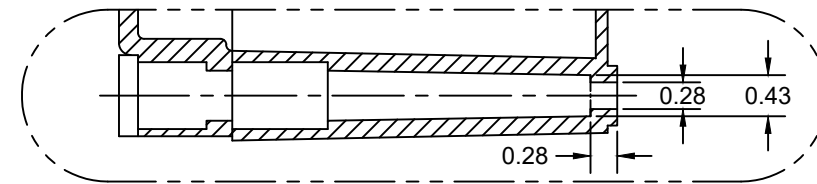
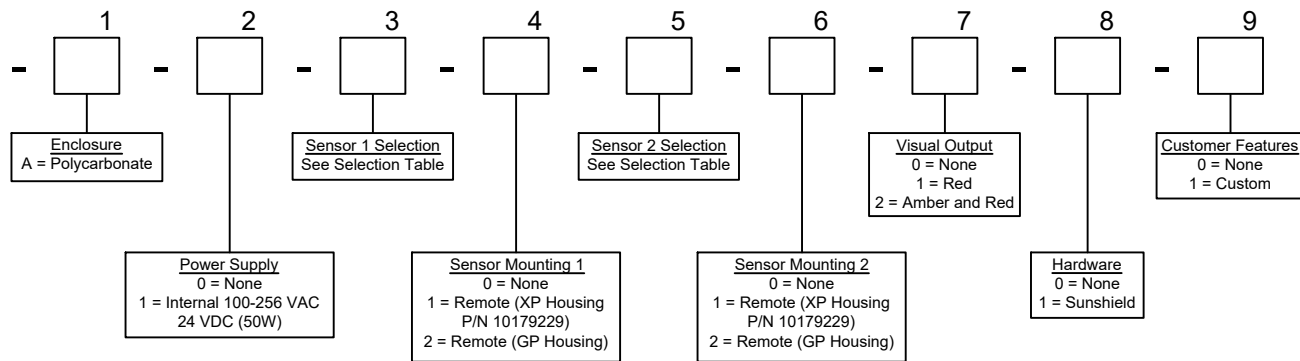
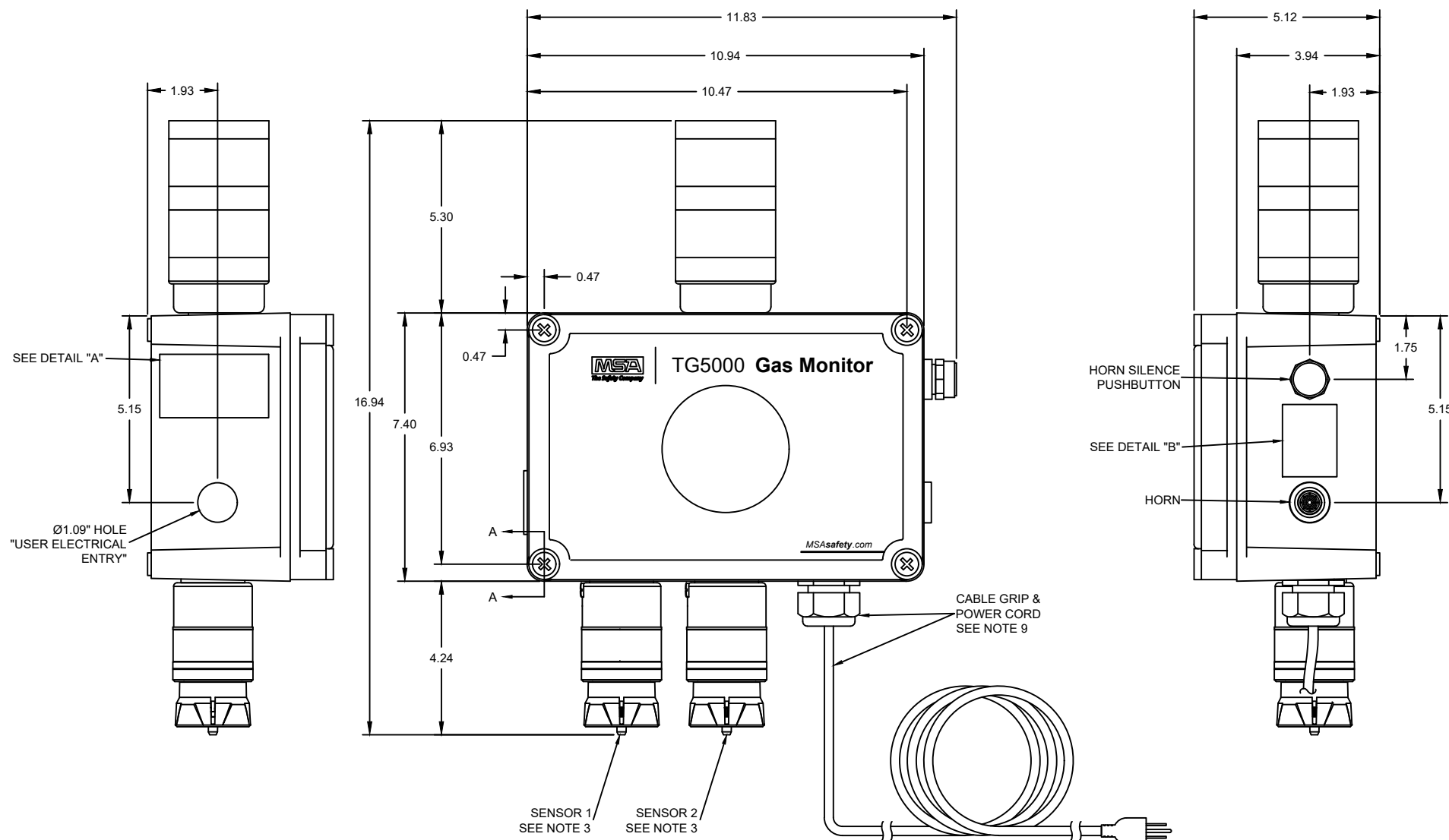
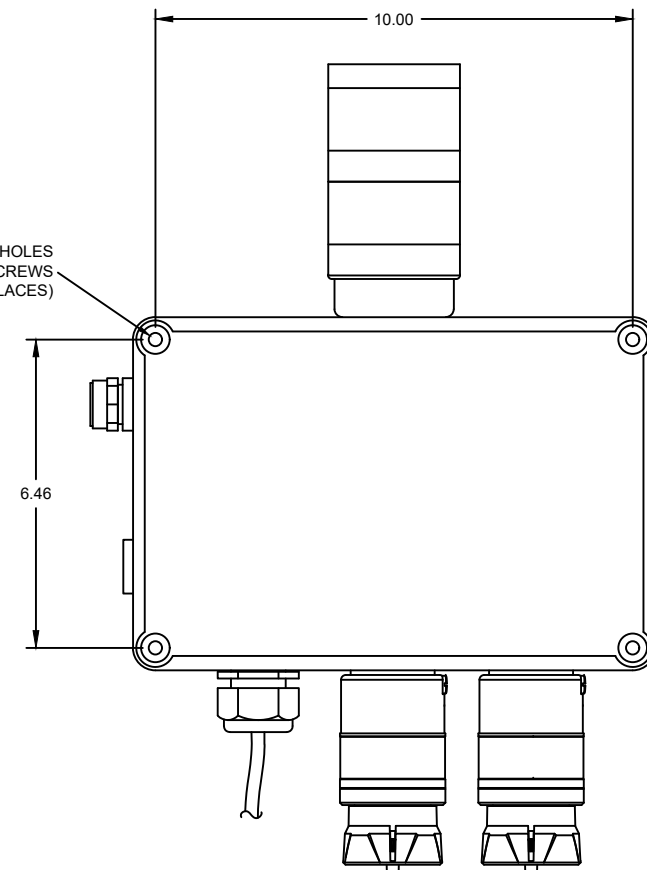


A - TG5000 -



SECTION "A" - "A"

CLEARANCE HOLES
FOR 10-32 SCREWS
(4 PLACES)

NOTES:

1. INSTRUMENT HOUSING IS MADE OF POLYCARBONATE PLASTIC.
2. DIMENSIONS SHOWN IN INCHES (FOR REFERENCE ONLY).
3. SENSOR INLET MUST FACE DOWN.
4. INSTRUMENT IS FOR USE IN NON-HAZARDOUS AREAS ONLY.
5. FOR "RG" OR "RX" SENSORS, WIRE NOT PROVIDED.
6. MOUNT THE SYSTEM DISPLAY AT OR SLIGHTLY ABOVE EYE LEVEL. VIEW OF DISPLAY MUST REMAIN UNOBSTRUCTED TO VIEW SYSTEM PARAMETERS.
7. MATERIAL: POLYCARBONATE PLASTIC.
8. TG5000 AMBIENT TEMPERATURE RANGE: -20°C TO 40°C (-4°F TO 104°F). SUITABLE FOR OUTDOOR USE WITH NO SOLAR HEAT LOAD.
9. SENSOR AMBIENT TEMPERATURE RANGE REFERENCE OPERATING MANUAL TG5000 GAS MONITOR P/N 10212126.
10. HUMIDITY RANGE: 0-90% RH, NON-CONDENSING.
11. POWER CORD LENGTH = 3m (9.85FT).
12. POWER SUPPLY OPTION: 120VAC, 1 AMP MAX. FUSE OR CIRCUIT PROTECTION TO 15 AMP MAX. GFI PROTECTED AS REQUIRED.
13. NO POWER SUPPLY OPTION: 24 VDC +/-10%, 1.5 AMP MAX. AN EXTERNAL CLASS 2 POWER SUPPLY IS REQUIRED.
14. ----- INDICATES FIELD CONNECTIONS BY OTHERS.
15. ALL INTERNAL WIRING #18 AWG UNLESS OTHERWISE NOTED.

WARNING

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READ AND FOLLOW ALL INSTRUCTIONS, WARNINGS AND CAUTIONS PERTAINING TO THIS GAS MONITOR.

FAILURE TO FOLLOW THIS WARNING CAN CAUSE IGNITION OF EXPLOSIVE ENVIRONMENTS RESULTING IN SERIOUS PERSONAL INJURY OR DEATH.

IF YOU HAVE QUESTIONS, CONTACT YOUR LOCAL MANUFACTURER'S REPRESENTATIVE OR MSA AT 1-800-MSA-INST OR WWW.MSASAFETY.COM

DETAIL "A"

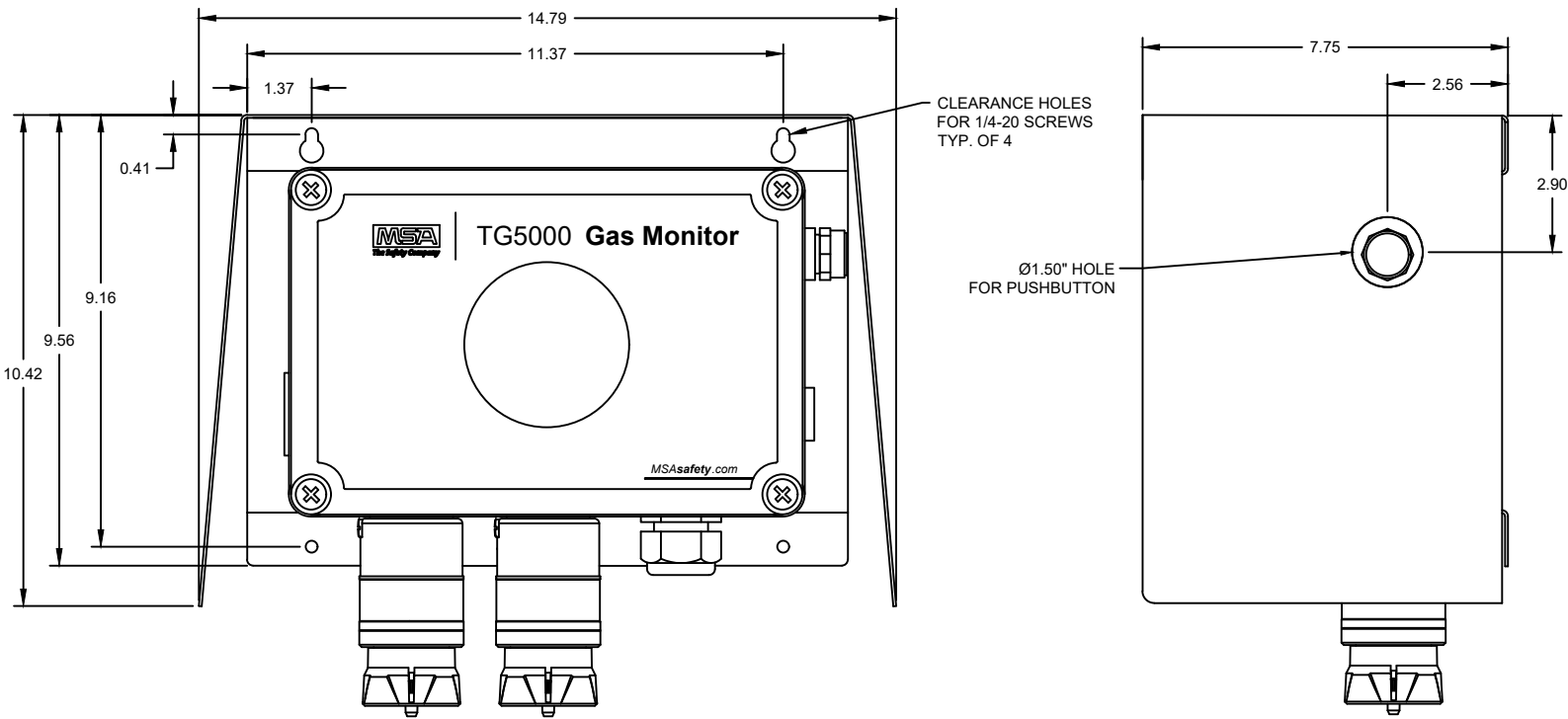
DANGER

High voltage
Disconnect power
before servicing

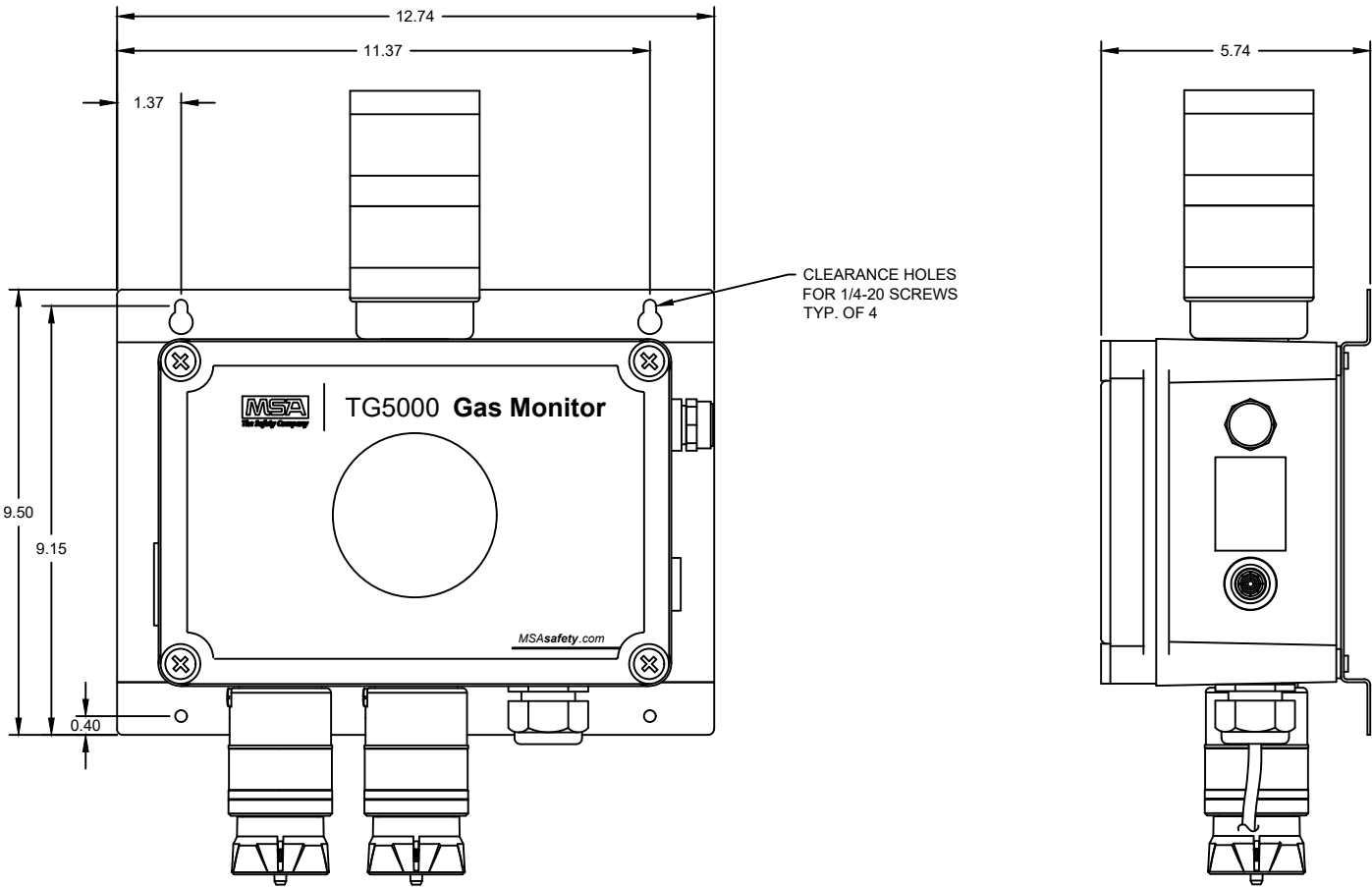
DETAIL "B"

COLOR CODE			
BLACK	= K	GREEN	= G
BROWN	= N	BLUE	= B
RED	= R	VIOLET	= V
ORANGE	= O	GRAY	= A
YELLOW	= Y	WHITE	= W
PINK	= P	TAN	= T

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. SCHUTZMERK: NACH DIN 34 BEZICHTEN, MSA ALEX GmbH.	DO NOT SCALE DWG.
	MSA STANDARD SHOP PRACTICES APPLY	APPROVAL AGENCY CODE: NO NIOSH ATTR. DOC.:	
	CODE SYMBOLS	JOB NO. DATE	
	CRITICAL	DRAWN BY F.N.M. 11-7-19	
	MAJOR A	CHECKED BY B.L. ??-??-??	
	MAJOR B	PROJ. ENGR. C.T.L. ??-??-??	
	100 % INSPECTION	QUALITY ASSURANCE	
	TOLERANCES UNLESS OTHERWISE SPECIFIED	MANUFACTURING	
	FRACTIONAL ± 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: 3054-1982-R00-P01	SCALE: NTS
		DOCUMENT NO. DSK 3054-1982	SHEET 1 OF 6



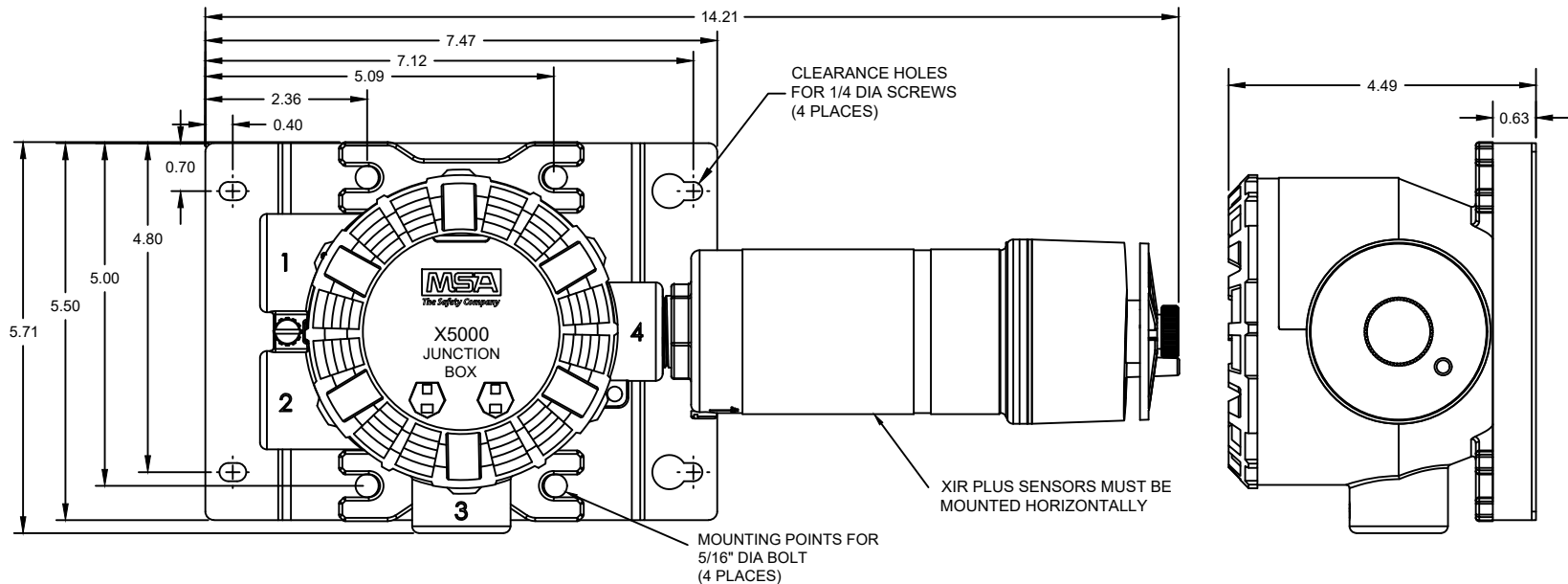
SUNSHIELD (OPTIONAL)
(NOT AVAILABLE WITH STROBE OPTIONS)



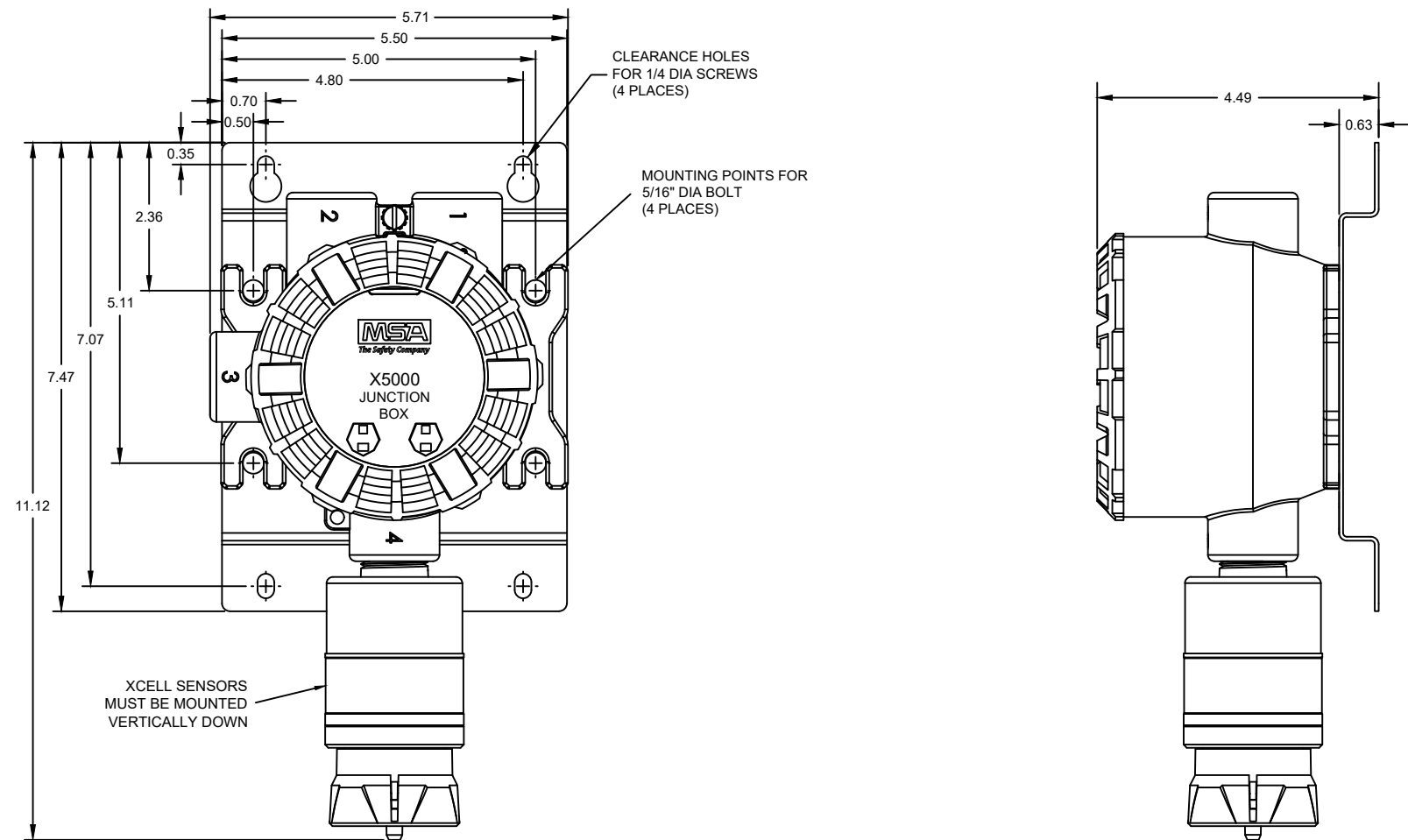
MOUNTING BRACKET (OPTIONAL)

COLOR CODE			
BLACK	= K	GREEN	= G
BROWN	= N	BLUE	= B
RED	= R	VIOLET	= V
ORANGE	= O	GRAY	= A
YELLOW	= Y	WHITE	= W
PINK	= P	TAN	= T

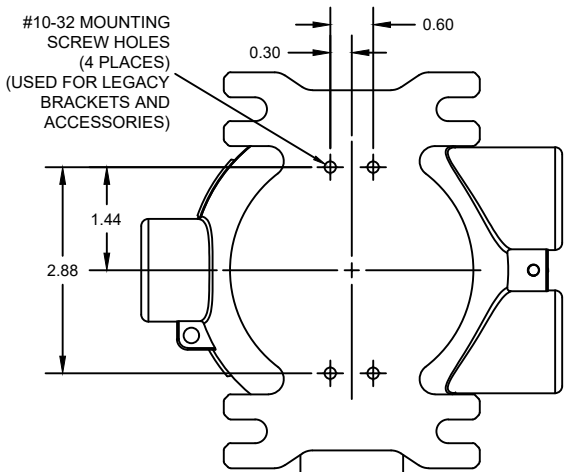
AUTHORIZED COUNTRY	MSA	MINE SAFETY APPLIANCES CO. PITTSBURGH, PA 15230, USA	THIS DRAWING IS THE PROPERTY OF MSA AND IS MADE AVAILABLE TO YOU IN CONFIDENCE AND SUBJECT TO THE FOLLOWING: NO PERMISSION IS GRANTED TO PUBLISH, USE, REPRODUCE, TRANSMIT OR DISCLOSE THIS DRAWING, OR ANY INFORMATION CONTAINED 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		APPROVAL AGENCY CODE: NO NIOSH ATTR. DOC.:			
CODE SYMBOLS		JOB NO.		DATE	
CRITICAL Δ		DRAWN BY		F.N.M.	
MAJOR A Δ		CHECKED BY		B.L.	
MAJOR B Δ		PROJ. ENGR.		C.T.L.	
100 % INSPECTION Δ		QUALITY ASSURANCE		??-??-??	
TOLERANCES UNLESS OTHERWISE SPECIFIED		MANUFACTURING		CADD REF: 3054-1982-R00-P02	
FRACTIONAL $\pm$ 1/64		SCALE: NTS		SHEET	
2 PL DEC. $\pm$ 0.01		DOCUMENT NO.		2 OF 6	
3 PL DEC. $\pm$ 0.005		DSK 3054-1982			
ANGULAR $\pm$ 1 deg.					
SEE MSA STANDARD SHOP PRACTICES FOR DRILLED HOLE TOLERANCES					



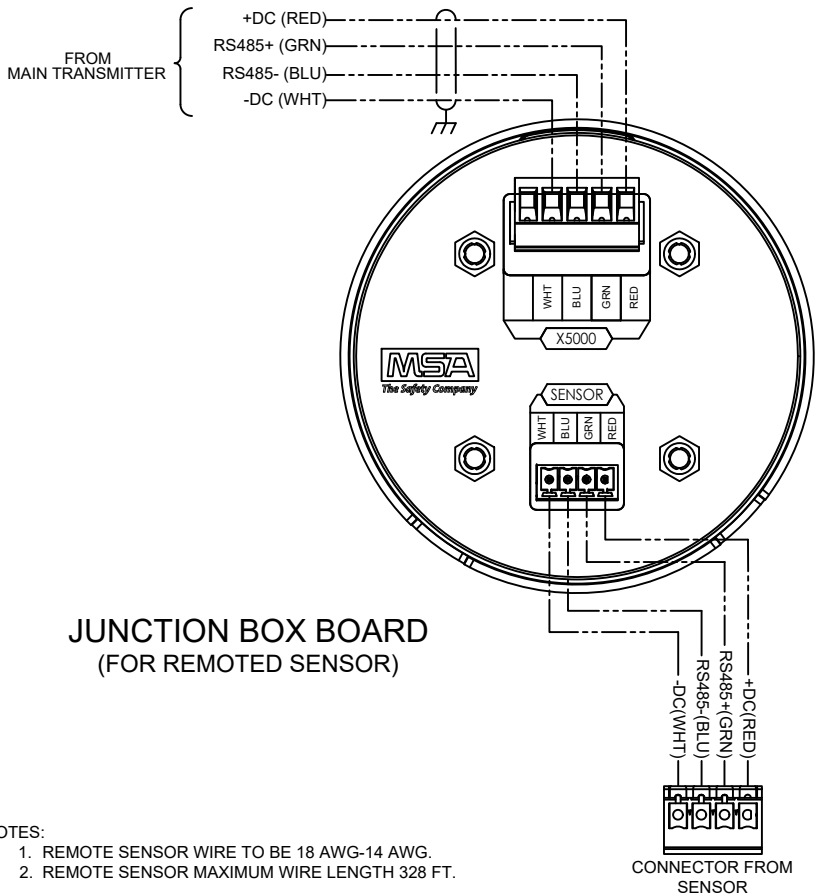
JUNCTION BOX AND XIR PLUS SENSOR



JUNCTION BOX AND XCELL SENSOR



JUNCTION BOX
ALTERNATE MOUNTING
HOLES

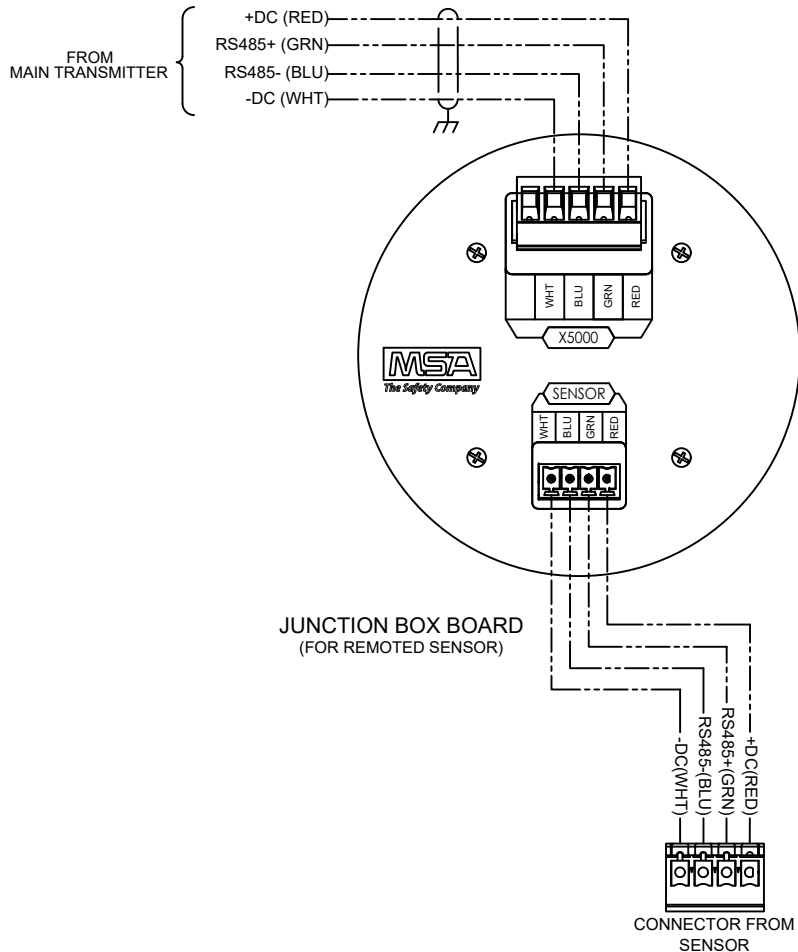
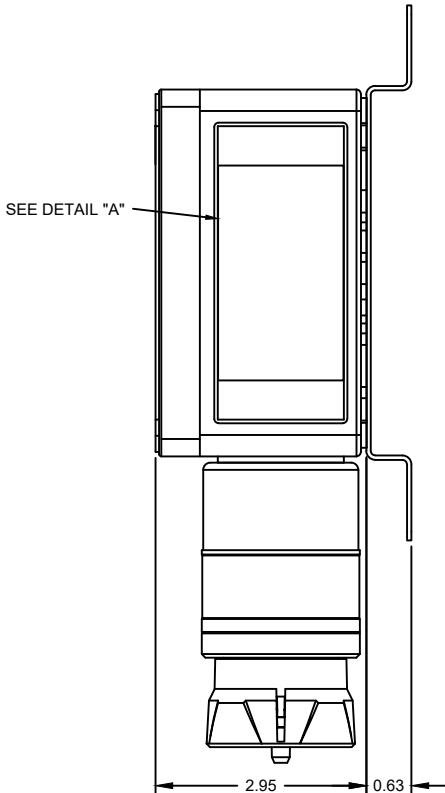
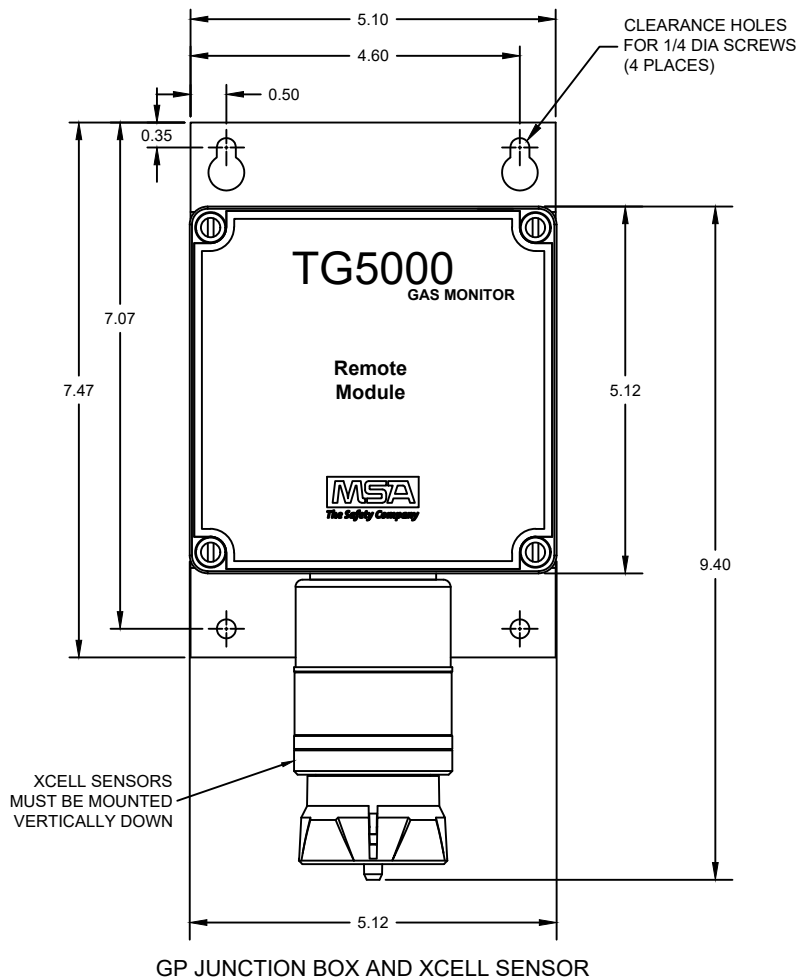


- NOTES:
1. REMOTE SENSOR WIRE TO BE 18 AWG-14 AWG.
 2. REMOTE SENSOR MAXIMUM WIRE LENGTH 328 FT.

COLOR CODE			
BLACK	=	K	GREEN = G
BROWN	=	N	BLUE = B
RED	=	R	VIOLET = V
ORANGE	=	O	GRAY = A
YELLOW	=	Y	WHITE = W
PINK	=	P	TAN = T

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MSA STANDARD SHOP PRACTICES APPLY		APPROVAL AGENCY CODE: NO NIOSH ATTR. DOC.:		
CODE SYMBOLS		JOB NO. DATE		
CRITICAL A		DRAWN BY F.N.M. 11-7-19		
MAJOR A		CHECKED BY B.L. ??-??-??		
MAJOR B		PROJ. ENGR. C.T.L. ??-??-??		
100 % INSPECTION		QUALITY ASSURANCE		
TOLERANCES UNLESS OTHERWISE SPECIFIED		MANUFACTURING		
FRACTIONAL ± 1/64		CADD REF: 3054-1982-R00-P03		
2 PL DEC. ± 0.01		SCALE: NTS		
3 PL DEC. ± 0.005		DOCUMENT NO. DSK 3054-1982		
ANGULAR ± 1 deg.		SHEET 3 OF 6		
SEE MSA STANDARD SHOP PRACTICES FOR DRILLED HOLE TOLERANCES				

INSTALLATION OUTLINE,
TG5000



WARNING

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- READ AND FOLLOW ALL INSTRUCTIONS, WARNINGS AND CAUTIONS PERTAINING TO THIS GAS MONITOR.

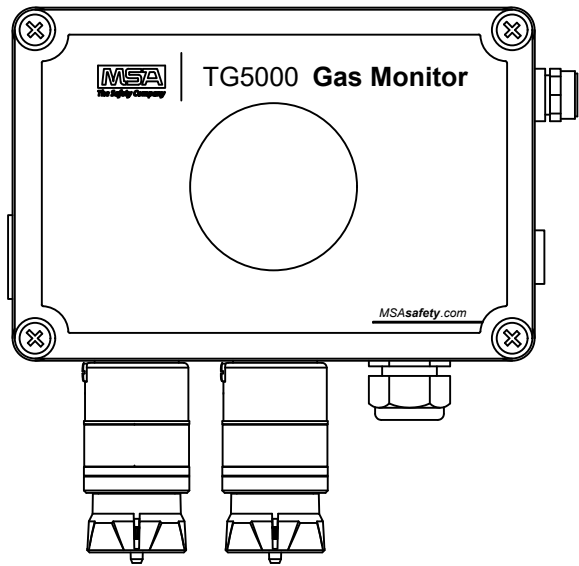
FAILURE TO FOLLOW THIS WARNING CAN CAUSE IGNITION OF EXPLOSIVE ENVIRONMENTS RESULTING IN SERIOUS PERSONAL INJURY OR DEATH.

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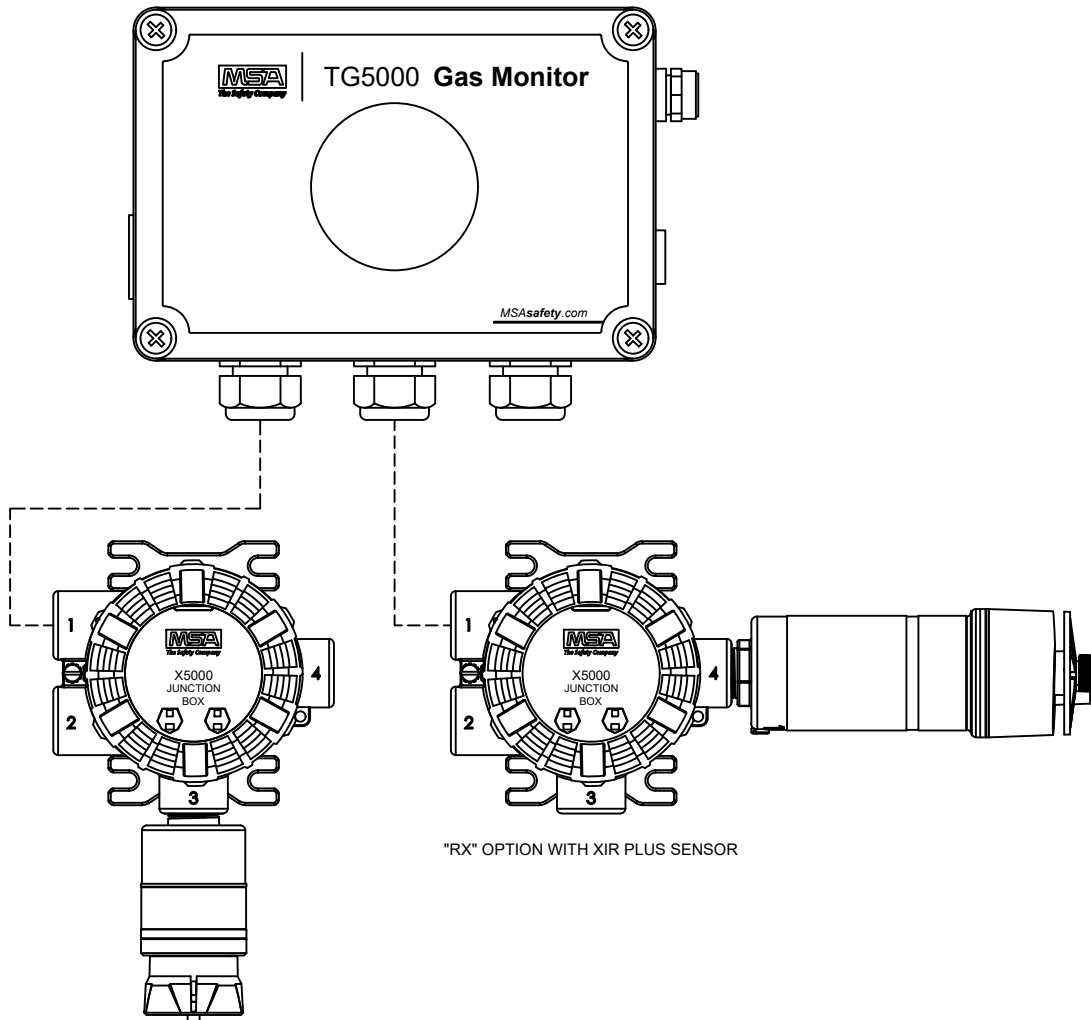
DETAIL "A"

COLOR CODE			
BLACK	= K	GREEN	= G
BROWN	= N	BLUE	= B
RED	= R	VIOLET	= V
ORANGE	= O	GRAY	= A
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	MSA STANDARD SHOP PRACTICES APPLY			
	CODE SYMBOLS	JOB NO.	APPROVAL AGENCY CODE: NO NIOSH ATTR. DOC.:	
	CRITICAL	DRAWN BY F.N.M.	DATE 11-7-19	
	MAJOR A	CHECKED BY B.L.	??-??-??	
	MAJOR B	PROJ. ENGR. C.T.L.	??-??-??	
	100 % INSPECTION	QUALITY ASSURANCE		
	TOLERANCES UNLESS OTHERWISE SPECIFIED	MANUFACTURING		
	FRACTIONAL ± 1/64			
	2 PL DEC. ± 0.01			
	3 PL DEC. ± 0.005			
	ANGULAR ± 1 deg.			
	SEE MSA STANDARD SHOP PRACTICES FOR DRILLED HOLE TOLERANCES			
		DOCUMENT NO. DSK 3054-1982	CADD REF: 3054-1982-R00-P04 SCALE: NTS	
			SHEET 4 OF 6	

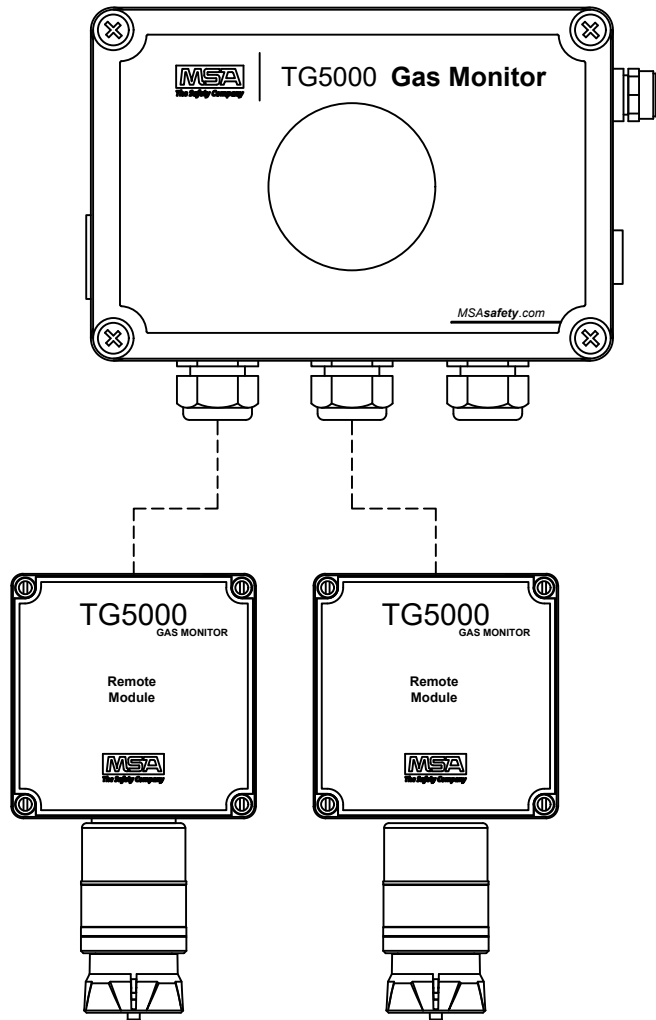


TG5000 SHOWN WITH 2 SENSOR OPTION



"RX" OPTION WITH XCELL SENSOR

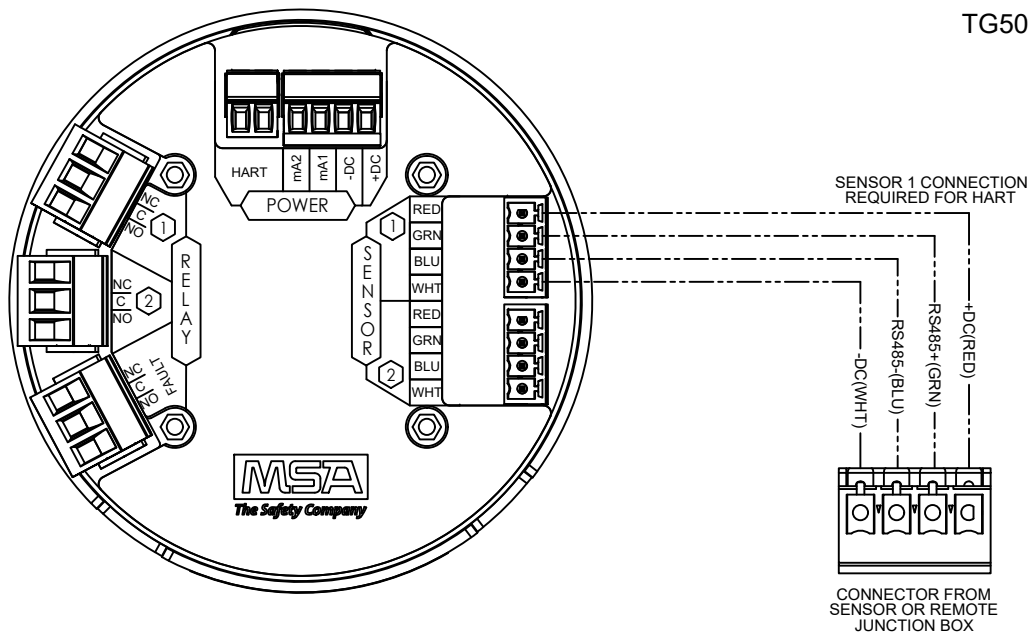
"RX" OPTION WITH XIR PLUS SENSOR



"GP" OPTION WITH XCELL SENSOR

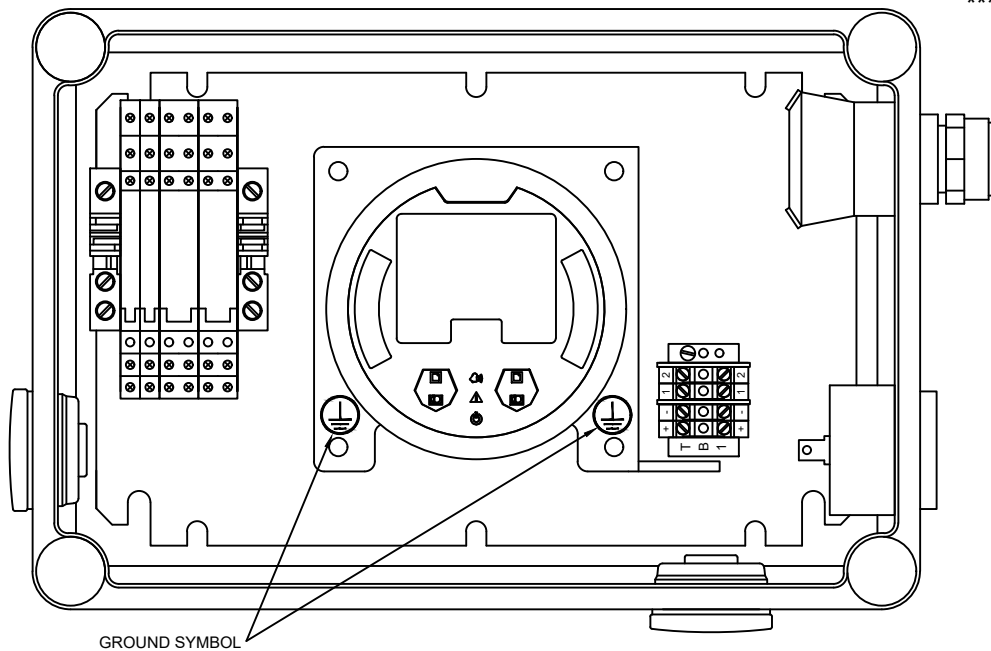
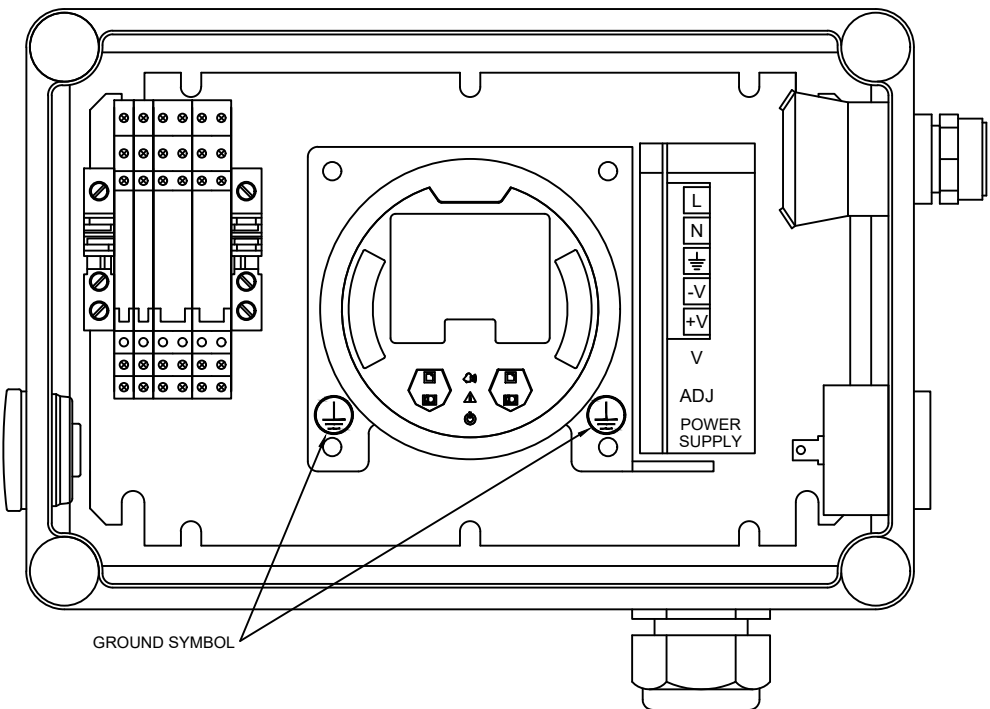
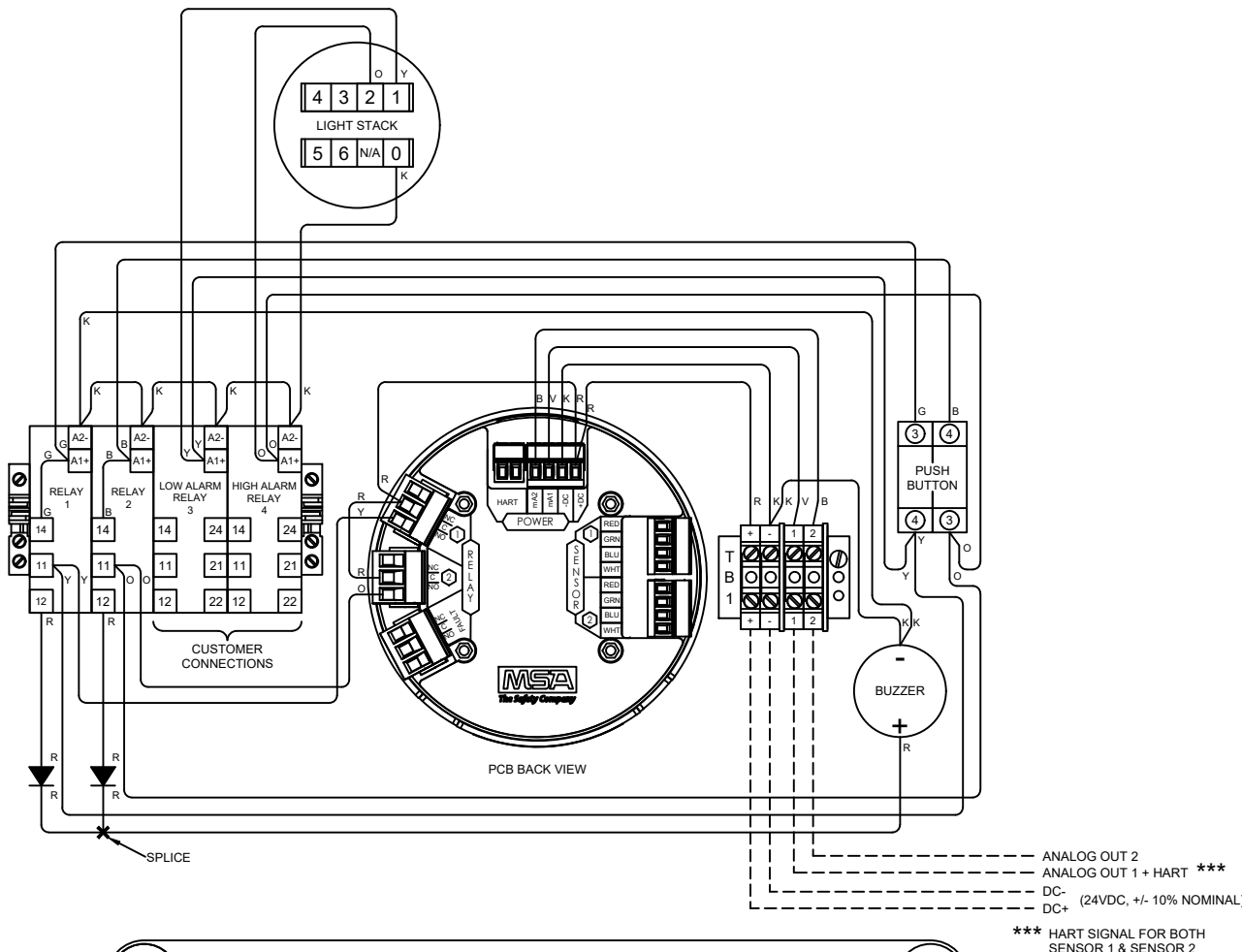
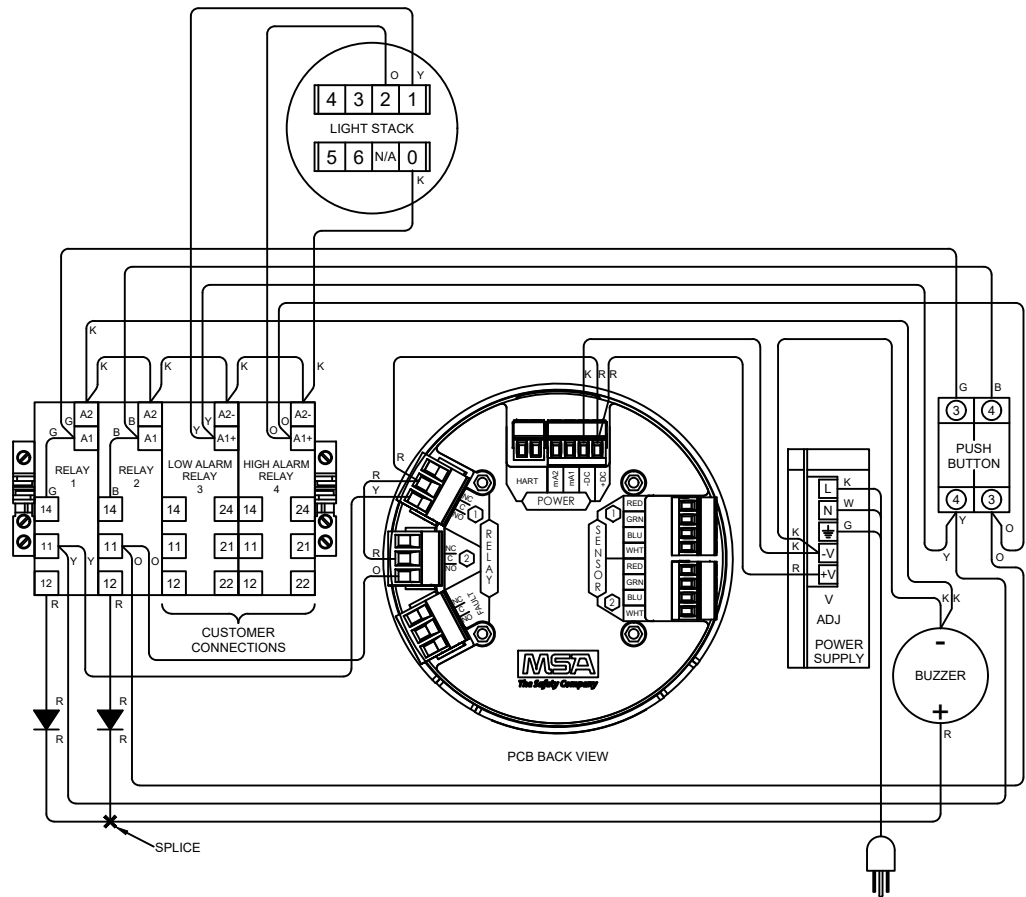
"GP" OPTION WITH XCELL SENSOR

TG5000 SHOWN WITH 2 "GP" SENSOR OPTION

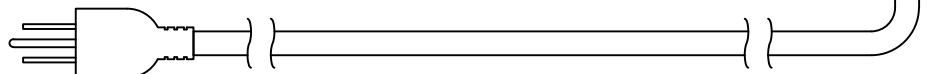


COLOR CODE					
BLACK	=	K	GREEN	=	G
BROWN	=	N	BLUE	=	B
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ORANGE	=	O	GRAY	=	A
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MSA STANDARD SHOP PRACTICES APPLY		APPROVAL AGENCY CODE: NO NIOSH ATTR. DOC.:		
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CRITICAL		DRAWN BY F.N.M. 11-7-19		
MAJOR A		CHECKED BY B.L. ??-??-??		
MAJOR B		PROJ. ENGR. C.T.L. ??-??-??		
100 % INSPECTION		QUALITY ASSURANCE		
TOLERANCES UNLESS OTHERWISE SPECIFIED		MANUFACTURING		
FRACTIONAL ± 1/64		CADD REF: 3054-1982-R00-P05		
2 PL DEC. ± 0.01		SCALE: NTS		
3 PL DEC. ± 0.005		DOCUMENT NO. DSK 3054-1982		
ANGULAR ± 1 deg.		SEE MSA STANDARD SHOP PRACTICES FOR DRILLED HOLE TOLERANCES		
		SHEET 5 OF 6		



TG5000 SHOWN WITHOUT POWER SUPPLY



TG5000 SHOWN WITH POWER SUPPLY

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. SCHUTZMERK NACH DIN 34 BEACHTEN. MSA AUER GmbH.		DO NOT SCALE DWG.
	MSA STANDARD SHOP PRACTICES APPLY		APPROVAL AGENCY CODE: NO NIOSH ATTR. DOC.:	
	CODE SYMBOLS	JOB NO.	DATE	
	CRITICAL	DRAWN BY	11-7-19	
	MAJOR A	F.N.M.	CHECKED BY	
	MAJOR B	B.L.	??-??-??	
	100 % INSPECTION	PROJ. ENGR.	C.T.L. ??-??-??	
	TOLERANCES UNLESS OTHERWISE SPECIFIED	QUALITY ASSURANCE		
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	SEE MSA STANDARD SHOP PRACTICES FOR DRILLED HOLE TOLERANCES		DSK 3054-1982	
			SHEET 6 OF 6	

COLOR CODE			
BLACK	= K	GREEN	= G
BROWN	= N	BLUE	= B
RED	= R	VIOLET	= V
ORANGE	= O	GRAY	= A
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PINK	= P	TAN	= T