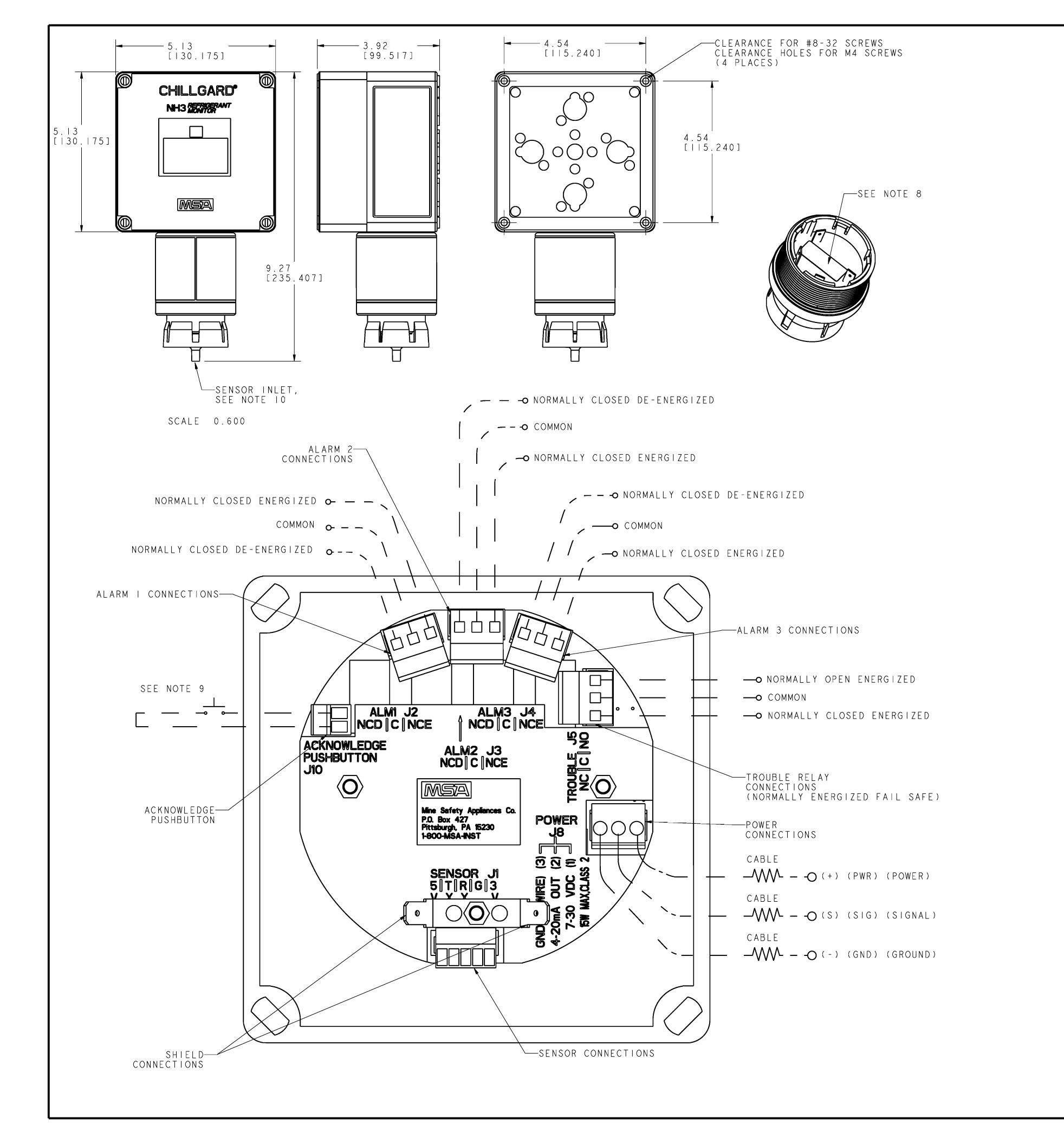


SHEE



CABLE LENGTH AND WIRE SIZE
SENSOR, 4-20 mA SIGNAL OUTPUT (TWO WIRE SENSOR)

WIRE MAXIMUM CABLE LENGTH MAXIMUM LOAD MAXIMUM CABLE LENGTH MAXIMUM LOAD
SIZE IN FEET @ 24 VDC RESISTANCE IN FEET @ 12 VDC RESISTANCE
22 AWG 7000 600 Ohms 4000 100 Ohms

CABLE LENGTH AND WIRE SIZE SENSOR, 4-20 mA SIGNAL OUTPUT (THREE WIRE SENSOR)				
WIRE SIZE	MAXIMUM CABLE LENGTH IN FEET @ 24 VDC	MAXIMUM LOAD RESISTANCE	MAXIMUM CABLE LENGTH IN FEET @ 12 VDC	MAXIMUM LOAD RESISTANCE
22 AWG	1000			
18 AWG	2500	600 Ohms	900	300 Ohms
I6 AWG	4200		1400	
12 AWG	10000		3600	

CABLE LENGTH AND WIRE SIZE (POWER SUPPLY 24 VDC) SENSOR, 4-20 mA SIGNAL OUTPUT (THREE WIRE SENSOR)					
WIRE SIZE	MAXIMUM CABLE LENGTH IN FEET @ 24 VDC	MAXIMUM LOAD RESISTANCE			
22 AWG	12000	600 Ohms			

POWER CABLE DISTANCES FOR THE CHILLGARD NH3 GAS MONITOR WITH INTERNAL RELAYS (4-20 mA MODEL)				
SENSOR TYPE	POWER SUPPLY VOLTAGE	WIRE SIZE	MAXIMUM CABLE LENGTH (IN FEET)	MAXIMUM LOAD RESISTANCE (mA OUTPUT ONLY)
CHILLGARD NH3	12 VDC	16 AWG	900	300 Ohms
CHILLOAND NH3	24 VDC	IO AWG	3000	600 Ohms

CUSTOMER

P.O.#

MSA #

LOCATION

TAG #

TOTAL NO. OF UNITS

CURRENT DRAW					
SUPPLY VOLTAGE	7 VDC 2 Wire	24 VDC 2 WIRE	7 VDC 3 WIRE	24 VDC 3 WIRE	
CHILLGARD NH3	21mA MAX	21mA MAX	610mA MAX	200mA MAX	

OTES:
. INSTRUMENT WEIGHT = 1.5 LBS. (0.68KG)
. INSTRUMENT HOUSING IS MADE OF POLYCARBONATE.
. DIMENSIONS SHOWN IN INCHES (MILLIMETERS).
. GROUND SHIELD AT POWER SUPPLY AND TERMINATE THROUGH RC NETWORK AT FAR END.
. CHECK TAG FOR AREA CLASSIFICATION.
. CUSTOMER TO CUT WIRE ENTRY HOLE IN INSTRUMENT BOX.
. - - - - - - INDICATES FIELD CONNECTIONS BY OTHERS.
. CHECK SENSOR LABEL FOR GAS TYPE, RANGE, AND ORDERING NUMBER.

9. CUSTOMER INSTALLED NORMALLY OPEN PUSH BUTTON SWITCH.
10. MOUNT UNIT WITH SENSOR INLET FACING DOWN.

ANGULAR ± 1 deg.

SEE MSA STANDARD SHOP
PRACTICES FOR DRILLED
HOLE TOLERANCES

AUTHOR I ZED COUNTRY		TITTSBURGH, PA 15230, USA	HIS DRAWING IS THE PROPERTY OF MSA AND IS MADE ADDITION OF A SUBJECT TO THE FOLLOWING: NO PERIOD PUBLISH, USE, REPRODUCE, TRANSMIT OR DISCLED ANY INFORMATION CONTAINED THEREIN TO OTHERS	MISSION IS GRANTED DO OSE THIS DRAWING, NOT WITHOUT THE PRIOR SCAL
	MSA STANDARD SHOP	PRACTICES APPLY S	RITTEN CONSENT OF MSA EXCEPT FOR THE MANUFACTURE C CHUTZVERMERK NACH DIN 34 BEACHTEN. MSA AUER GMbH.	DE ARTICLES FOR MSA. DWG
	CODE SYMBOLS	JOB NO. 30000016 PH0718	APPROVAL AGENCY CODE: NO NIOSH ATTR. DOC	.:
	CRITICAL /+	DRAWN BY DATE		
	MAJOR A A (NO MARK)	LRB 8-10-2005		
	(NO MARK)	CHECKED BY	INICTALL ATIONS C	
,	MAJOR B 🖄	A.ROCZKO 8-23-05	INSTALLATION C	JU I LINE.
	100 % INSPECTION 🖒	PROJ. ENGR.		_
	TOLERANCES UNLESS	A.ROCZKO 8-23-05	CHILLGARD	VIH3
	OTHERWISE SPECIFIED	QUALITY ASSURANCE		
·	FRACTIONAL $\pm$ 1/64	J.DANNHARDT 8-25-05		
,	2 PL DEC. $\pm$ 0.01	MANUFACTURING		
·	3 PL DEC. ± 0.005	D.ALWARD 8-29-05	CADD REF: SK3015-1008	SCALE: 1.000

SK3015-1008