

NOTES:

1. THE MAXIMUM OUTPUT VOLTAGE FROM THE SAFE AREA APPARATUS MUST NOT EXCEED THE RATED VOLTAGE OF THE TRANSMITTER: 30VDC.
2. CIRCUIT IN HAZARDOUS AREA MUST BE CAPABLE OF WITHSTANDING A VOLTAGE TEST OF 500 VRMS TO EARTH OR TO THE FRAME OF THE APPARATUS. USE 8093 INSULATOR ON CONNECTOR BETWEEN PROBE AND EXTENSION CABLE.
3. THE HAZARDOUS AREA CABLE IS TO BE INSTALLED AS EITHER A SEPARATE CABLE OR A SEPARATE CIRCUIT WITHIN A "TYPE A" CABLE OR WITHIN A "TYPE B" CABLE AS DEFINED IN EN 50039 (1980). THE PEAK VOLTAGE OF ANY CIRCUIT IN THE "TYPE B" CABLE MUST NOT EXCEED 60V.
4. THE INSTALLATION MUST COMPLY WITH THE APPROPRIATE NATIONAL INSTALLATION REQUIREMENTS. EXAMPLE: UK. BS5345 PART 4 (1977).
- ⑤ THE APPARATUS IS DESIGNED FOR CONNECTION TO ANY REMOTE PROXIMITY PROBE CERTIFIED FOR USE AS CATEGORY 3 APPARATUS WITH A RATED VOLTAGE (UPI) OF GREATER THAN 5V (EITHER POSITIVE OR NEGATIVE DEPENDING ON THE PROBE CONFIGURATION).

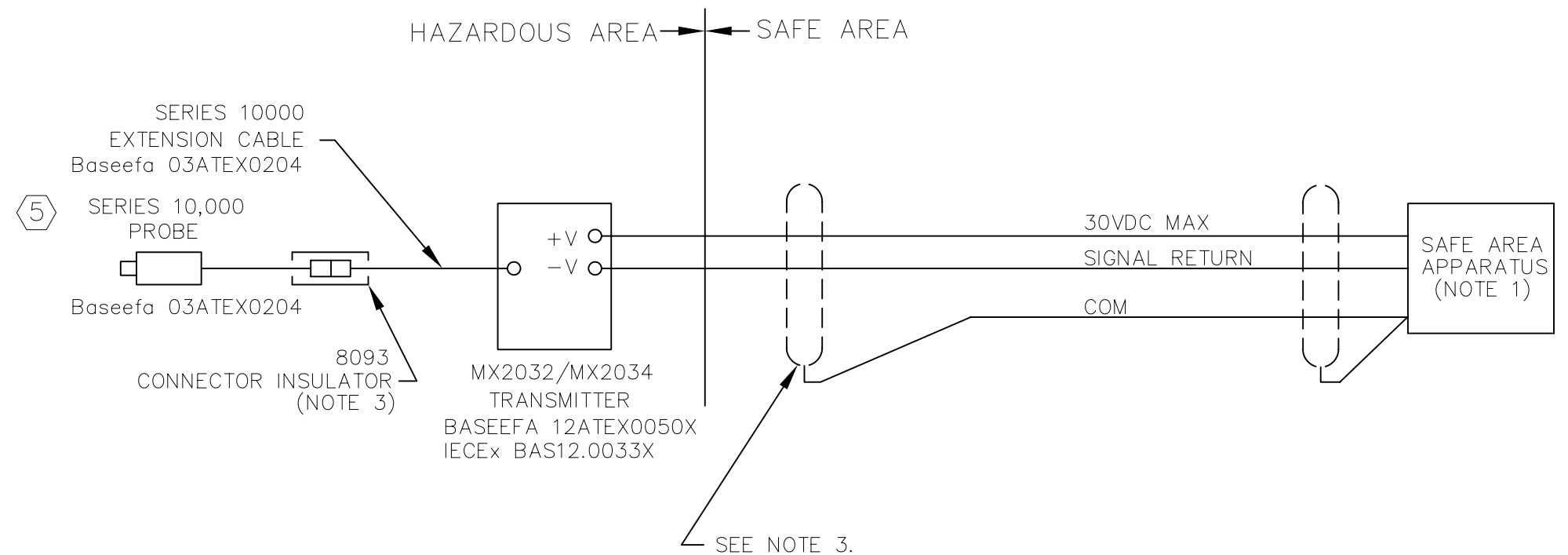
THE SERIES 10,000 PROBE TOGETHER WITH ITS 10,000 EXTENSION CABLE AND 8093 CONNECTOR INSULATOR MAY BE REPLACED BY A BENTLY NEVADA 3300 PROXIMITY TRANSDUCER SYSTEM PROBE AND CABLE (BAS 99ATEX3098X).

6. THE APPARATUS ENCLOSURE IS MADE FROM PLASTIC WHICH MUST BE PROTECTED AGAINST IMPACT AND FRICTION.

SPECIAL CONDITIONS OF SAFE USE:

When the apparatus is being used in accordance with the type of protection:  
 Ex nA IIC T4 (-40°C ≤ Ta ≤ +85°C), the apparatus must be mounted in an enclosure capable of withstanding a 7 joule impact (at -40°C if non-metallic) and provide a degree of ingress protection of at least IP54.

## INSTALLATION PROXIMITY SENSOR IN ZONE 2 LOCATION ATEX/IECE<sub>x</sub>



MATERIAL:	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. ALL CORNERS BROKEN TO .010 MIN RADIUS AND TOLERANCES ARE:	APPROVALS	DATE	<div style="font-size: 24pt; font-weight: bold; margin: 0;">METRIX</div> <div style="font-size: 10pt; margin: 0;">HOUSTON, TEXAS U.S.A.</div> <div style="font-weight: bold; margin: 5px 0;">ZONE 2 INSTALLATION (ATEX/IECE<sub>x</sub>)</div> <div style="margin: 0;">MX2032/MX2033/MX2034</div>
FINISH:		DRAWN BY:		
		A. Wilson	08/02/11	
		CHECKED BY:		
THIS DOCUMENT AND ALL INFORMATION HEREON IS THE PROPERTY OF METRIX INSTRUMENT CO. APPROVAL MUST BE OBTAINED BEFORE IT IS REPRODUCED OR INFORMATION HEREON IS ISSUED TO A THIRD PARTY. THIS DOCUMENT MUST BE RETURNED UPON REQUEST.	FRACTIONS: DECIMALS: ±1/64 .XX ±.01 ANGLES: .XXX ±.005 ±1° SURFACE FINISH 64	APPROVED BY:		
		NEXT ASSY	USED ON	
		APPLICATION	DO NOT SCALE DRAWING	
		SCALE: 1:1	DOCUMENT NO.: 100515-DWG	SHEET: 1 of 2
		SIZE <b>B</b>	PART NO.: 100515	REV. <b>A</b>

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## INSTALLATION PROBE DRIVER SENSOR IN ZONE 2 LOCATION ATEX/IECEX

