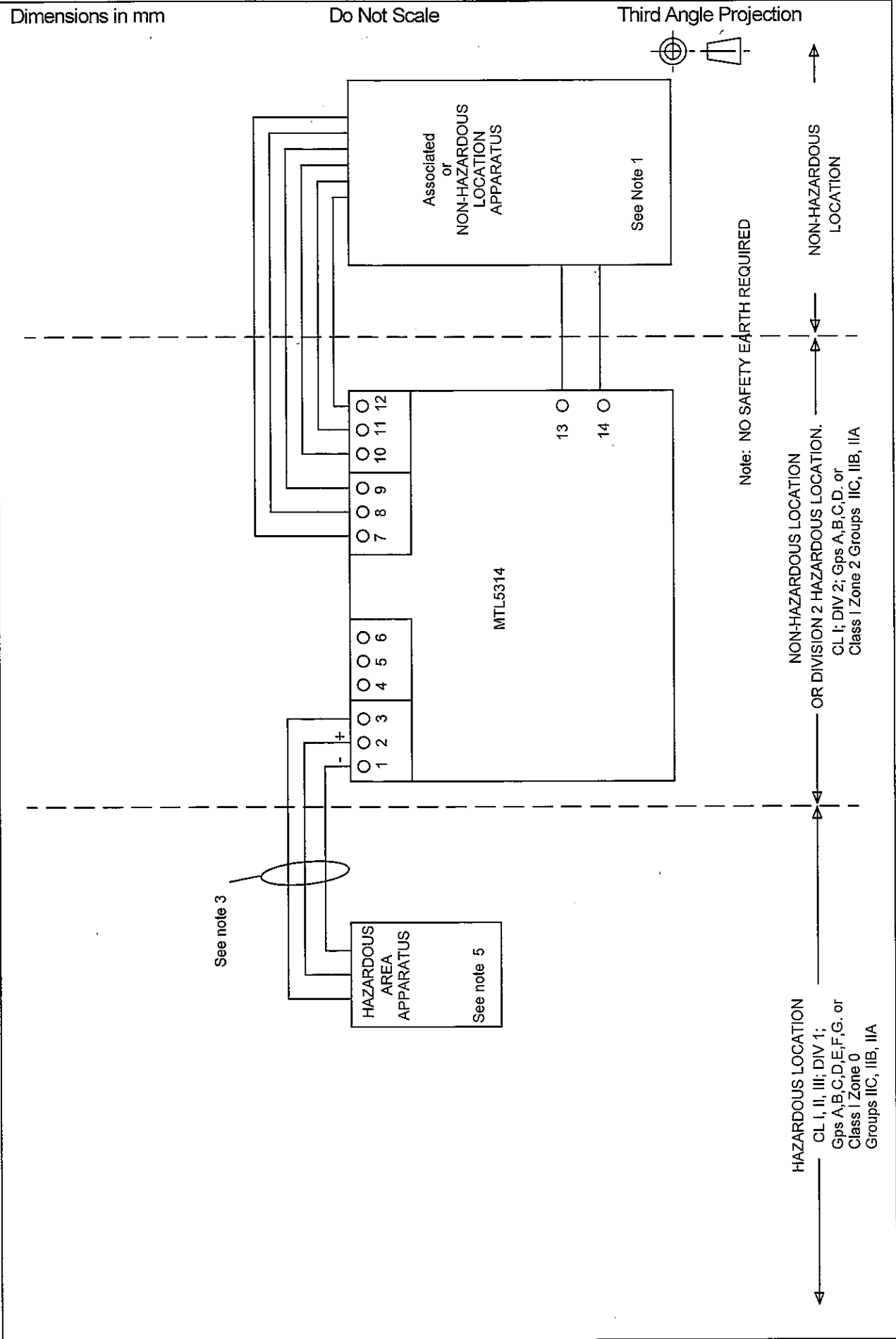


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System Certificate No: N/A		Scale	N/A
Certifying Authority: CSA		Sheet	1 of 2
Title MTL5314 4/20mA Trip Amplifier for 2- or 3- Wire Transmitters		Drg. No.	SCI-930

Chd		Dimensions in mm	Do Not Scale	Third Angle Projection									
Modification		<p>NOTE 1. Non-Hazardous Location Apparatus - unspecified except that it must not be supplied from nor contain under normal or abnormal conditions, a source of potential with respect to ground in excess of 60V rms or 60V dc.</p> <p>NOTE 2. The Installation in general should comply with the relevant requirements of the Canadian Electrical Code, Part 1, in particular the recommendations of Appendix F.</p> <p>NOTE 3 a). The MTL5314 may be installed as part of a system containing Intrinsically Safe Apparatus which has CSA Entity certification, in which case the parameters listed below apply;</p> <p>Terminal 1, 2 & 3 $U_o \leq 28V$, $I_o \leq 93.3mA$, $P_o \leq 0.65W$</p> <table border="1" style="width:100%; border-collapse: collapse; margin: 10px 0;"> <tr> <td style="width:33%;">Groups IIC (A and B)</td> <td style="width:33%;">Co $\leq 0.13 \mu F$</td> <td style="width:33%;">Lo $\leq 3.0 mH$</td> </tr> <tr> <td>Groups IIB (C and E)</td> <td>Co $\leq 0.39 \mu F$</td> <td>Lo $\leq 9.0 mH$</td> </tr> <tr> <td>Groups IIA (D,F and G)</td> <td>Co $\leq 1.04 \mu F$</td> <td>Lo $\leq 24.0 mH$</td> </tr> </table> <p>b) The parameters of the complete installation must meet the following criteria :- $U_o \leq V_{max}$ or U_i, $I_o \leq I_{max}$ or I_i $C_o \geq C_i + C_{cable}$, $L_o \geq L_i + L_{cable}$.</p> <p>NOTE 4. IF ENTITY-CERTIFIED INTRINSICALLY SAFE APPARATUS IS NOT AVAILABLE, then the installation must be made in accordance with the details given in Notes 5, 6 and 7 below.</p> <p>NOTE 5. Hazardous Location Apparatus - switches, thermocouples or non-inductive resistance devices, or CSA - Certified Apparatus when connected in accordance with the manufacturer's installation instructions.</p> <p>NOTE 6. For intrinsic safety purposes, terminals 1, 2 & 3 of the MTL5314 are considered to be a source of power with a maximum open circuit voltage of 28V, a minimum output resistance of 300Ω and a maximum short circuit current of 93.3mA.</p> <p>NOTE 7. The parameters of load/cable connected to terminals 1 and 4 must comply with the recommended values given in Section F6, Appendix F, Canadian Electrical Code, Part 1.</p> <p>NOTE 8. WARNING: Substitution of components may impair intrinsic safety. AVERTISSEMENT: La substitution de composants peut compromettre la securite intrinseque.</p> <p>NOTE 9. The MTL5314 is "ASSOCIATED APPARATUS"/"APPAREILLAGE CONNEXE"[Ex ia] and when mounted in the appropriate enclosure is suitable for installation in Class 1, Division 2, Groups A, B, C and D Hazardous Locations.</p> <p>NOTE 10. WARNING: EXPLOSION HAZARD - Substitution of components may impair suitability for Class 1, Division 2. WARNING: EXPLOSION HAZARD - Do not disconnect equipment unless power has been switched off or the area is known to be Non-Hazardous.</p>			Groups IIC (A and B)	Co $\leq 0.13 \mu F$	Lo $\leq 3.0 mH$	Groups IIB (C and E)	Co $\leq 0.39 \mu F$	Lo $\leq 9.0 mH$	Groups IIA (D,F and G)	Co $\leq 1.04 \mu F$	Lo $\leq 24.0 mH$
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Date Dtm	11.00	Certifying Authority: CSA		Sheet 2 of 2									
Iss	1	Title MTL5314 4/20mA Trip Amplifier for 2- or 3- Wire Transmitters		Drg. No. SCI-930									