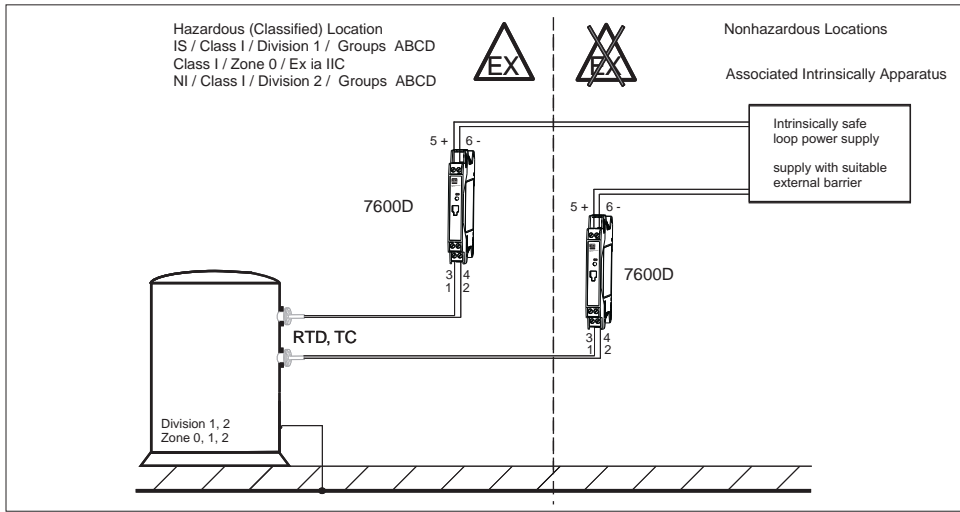


REV	ECO	REVISION DESCRIPTION	BY	APPROVED	DATE



**Installation Notes 7600D**

- 1) CSA certified apparatus must be installed in accordance with manufacturer instructions.
- 2) CSA certified associated apparatus must meet the following requirements:  $U_o$  or  $V_{oc} \leq U_i$  or  $V_{max}$   
 $I_o$  or  $I_{sc} \leq I_i$  or  $I_{max}$   $P_o$  or  $P_{max} \leq P_i$  or  $P_{max}$   $C_a$  or  $C_o \geq C_i$  +  $C_{cable}$   $L_a$  or  $L_a \geq L_i$  +  $L_{cable}$
- 3) The installation must be in accordance with the Canadian Electrical Code.
- 4) Use supply wires suitable for 5°C above surrounding.
- 5) The product will be installed in a suitable enclosure accepted by local authority having jurisdiction.
- 6) The configuration of the transmitter 7600D is only permitted in nonhazardous locations.
- 7) The voltage of the "tools" used for configuration should not exceed  $U_m = 30$  V. This can be achieved e.g. by a battery powered laptop. An approved adapter with barrier has to be used for configuration using a PC with mains connection ( $U_m < 253$ V).
- 8) Terminals 1, 2, 3 and 4 provide Intrinsically safe and non-incendive circuits to RTD's, Thermocouples and other passive resistive devices.
- 9) For Division 2 installations  
Warning: Do not disconnect equipment unless power has been switched off or the area is known to be nonhazardous.  
Warning: Substitution of components may impair suitability for intrinsic safety and Class I, Division 2.



7600D	INTRINSICALLY SAFE Class I / Div. 1 / Groups ABCD / T4/T5/T6 Class I / Zone 0 / Ex ia IIC / T4/T5/T6	NONINCENDIVE Class I / Div. 2 / Groups ABCD / T4/T5/T6
Supply circuit (Terminals 5+ and 6-)	$V_{max} = U_i \leq 30$ VDC $C_i = 0$ $I_{max} = I_i \leq 100$ mA $L_i = 0$ $P_{max} = P_i \leq 750$ mW	$V_{max} = U_i \leq 30$ VDC $C_i = 0$ $I_{max} = I_i \leq 100$ mA $L_i = 0$
Sensor circuit (Terminals 1, 2, 3 and 4)	$V_{oc} = U_o \leq 4.4$ VDC $I_{sc} = I_o \leq 9.6$ mA $P = P_o \leq 10.2$ mW	
Max. Connecting Values Group A, B IIC (concentrative L, C Group C IIB e.g. cable) Group D IIA	$L_a = L_o = 100$ mH $C_a = C_o = 100$ $\mu$ F $L_a = L_o = 100$ mH $C_a = C_o = 1000$ $\mu$ F $L_a = L_o = 100$ mH $C_a = C_o = 1000$ $\mu$ F	
Temperature range	T6: $T_a = -40^\circ\text{C} \dots +50^\circ\text{C}$ T5: $T_a = -40^\circ\text{C} \dots +65^\circ\text{C}$ T4: $T_a = -40^\circ\text{C} \dots +85^\circ\text{C}$	
	<b>NONINCENDIVE</b> Class I / Division 2 / Groups ABCD / T4/T5/T6 $V_{max} \leq 35$ VDC intrinsic safety barrier not required	

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES DO NOT SCALE DRAWING		<p style="text-align: center;"><b>Weed Instrument Company, Inc.</b> Round Rock, Texas</p>				
TOLERANCES UNLESS OTHERWISE NOTED						TITLE
DECIMAL	FRAC	CSA Control Drawing, 7600D				
.XXX +/-	+/-					
.XX +/-	ANG	FILE NAME	SIZE	CODE IDENT	DOC NO.	REV
.X +/-	+/-	DRAFTER	<b>A</b>	<b>33969</b>	0014-001-0008	<b>0</b>
MATERIAL		ENGINEER	SAJ	12 May 04	SCALE:	SHEET 1 OF 1
		REVIEWER			NOTICE: THIS DOCUMENT MAY NOT BE REPRODUCED OR USED FOR MANUFACTURING PURPOSES EXCEPT WHEN NECESSARY TO FULFILL CONTRACTUAL REQUIREMENTS WITH WEED INSTRUMENT COMPANY, INC. OR WITH PRIOR WRITTEN CONSENT OF WEED INSTRUMENT COMPANY, INC.	
		QA				