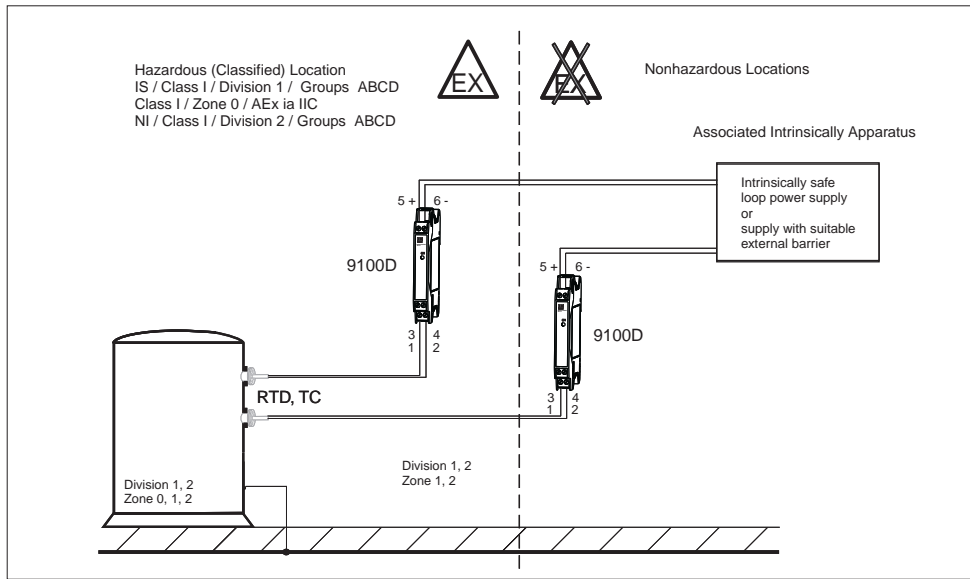


REV	ECO	REVISION DESCRIPTION	BY	APPROVED	DATE



Installation Notes 9100D



- 1) FM Approvals certified apparatus must be installed in accordance with manufacturer's instructions.
- 2) FM Approvals certified associated apparatus must meet the following requirements:
 $U_o \text{ or } V_{oc} \leq U_i \text{ or } V_{max}$ $I_o \text{ or } I_{sc} \leq I_i \text{ or } I_{max}$ $P_o \text{ or } P_{max} \leq P_i \text{ or } P_{max}$ $C_a \geq C_i + C_{cable}$ $L_a \geq L_i + L_{cable}$
- 3) The installation must be in accordance with NEC ANSI / NFPA 70, Article 500, 504 and ANSI / ISA-RP 12.06.01
- 4) Install the device of Protection Ratings of least IP20, NEMA 1, Type 1.
- 5) Use supply wires suitable for 5°C above surrounding.

9100D	IS / Class I / Division 1 / Groups ABCD / T4/T5/T6 Class I / Zone 0 / AEx ia IIC / T4/T5/T6 NI / Class I / Division 2 / Groups ABCD / T4/T5/T6	
Supply circuit (Terminal 5 and 6)	$V_{max} = U_i \leq 30 \text{ VDC}$ $I_{max} = I_i \leq 100 \text{ mA}$ $P_{max} = P_i \leq 750 \text{ mW}$ $C_i = \text{negligible small}$ $L_i = \text{negligible small}$	
Sensor circuit (Terminal 1 until 4)	$V_{oc} = U_o \leq 6.0 \text{ VDC}$ $I_{sc} = I_o \leq 11.9 \text{ mA}$ $P = P_o \leq 17.9 \text{ mW}$	
Max. Connecting Values (concentrative L, C e.g. cable)	Group A, B IIC Group C IIB Group D IIA	$L_a = L_o = 222 \text{ mH}$ $C_a = C_o = 40 \mu\text{F}$ $L_a = L_o = 900 \text{ mH}$ $C_a = C_o = 1000 \mu\text{F}$ $L_a = L_o = 900 \text{ mH}$ $C_a = C_o = 1000 \mu\text{F}$
Temperature range	T6: $T_a = -40^\circ\text{C} \dots +55^\circ\text{C}$ T5: $T_a = -40^\circ\text{C} \dots +70^\circ\text{C}$ T4: $T_a = -40^\circ\text{C} \dots +85^\circ\text{C}$	

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES DO NOT SCALE DRAWING		Weed Instrument Company, Inc. Round Rock, Texas				
TOLERANCES UNLESS OTHERWISE NOTED						TITLE
DECIMAL	FRAC	FM Control Drawing, 9100D				
.XXX +/-	+/-					
.XX +/-	ANG					
.X +/-	+/-	FILE NAME	SIZE	CODE IDENT	DOC NO.	REV
MATERIAL		DRAFTER	A	33969	0502-157-0011	0
		ENGINEER	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				