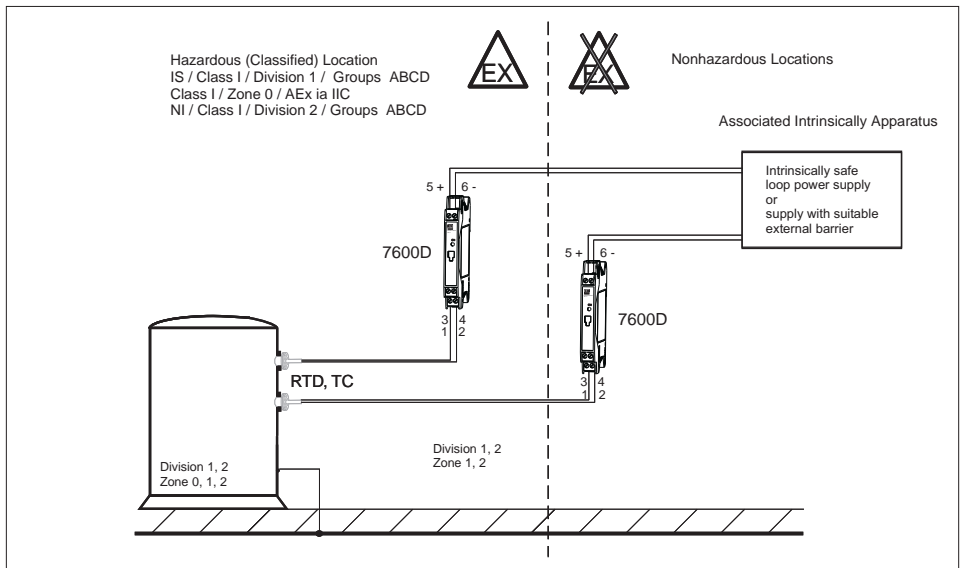


| REV | ECO | REVISION DESCRIPTION | BY | APPROVED | DATE |
|-----|-----|----------------------|----|----------|------|
| | | | | | |



Installation Notes 7600D



- 1) FM Approvals certified apparatus must be installed in accordance with manufacturer 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 the National Electrical Code NEC ANSI / NFPA 70, Article 504 and ANSI / ISA-RP 12.06.01
- 4) Use supply wires suitable for 5°C above surrounding.
- 5) The configuration of the transmitter 7600D is only permitted in nonhazardous locations.
- 6) The voltage of the "tools" used for configuration should not exceed $U_m = 30 \text{ V}$. 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 ($U_m < 253\text{V}$).

Warning: Substitution of components may impair intrinsic safety

| | | | |
|--|---|---|---|
| 7600D | | 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) | | $V_{oc} = U_o \leq 2.5 \text{ VDC}$ $I_{sc} = I_o \leq 2.2 \text{ mA}$ $P = P_o \leq 1.4 \text{ mW}$ | |
| Max. Connecting Values (concentrative L, C e.g. cable) | Group A, B IIC Group C IIB Group D IIA | $L_a = L_o = 1000 \text{ mH}$ $L_a = L_o = 1000 \text{ mH}$ $L_a = L_o = 1000 \text{ mH}$ | $C_a = C_o = 100 \mu\text{F}$ $C_a = C_o = 1000 \mu\text{F}$ $C_a = C_o = 1000 \mu\text{F}$ |
| 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: $T_a = -40^\circ\text{C} \dots +85^\circ\text{C}$ | |

| | | | | | | |
|--|------|---|--|--------------|---------------|----------|
| 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, 7600D | | | | |
| .XXX +/- | +/- | | | | | |
| .XX +/- | ANG | | | | | |
| .X +/- | +/- | FILE NAME | SIZE | CODE IDENT | DOC NO. | REV |
| MATERIAL | | DRAFTER | A | 33969 | 0502-157-0009 | 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 | | | | |