



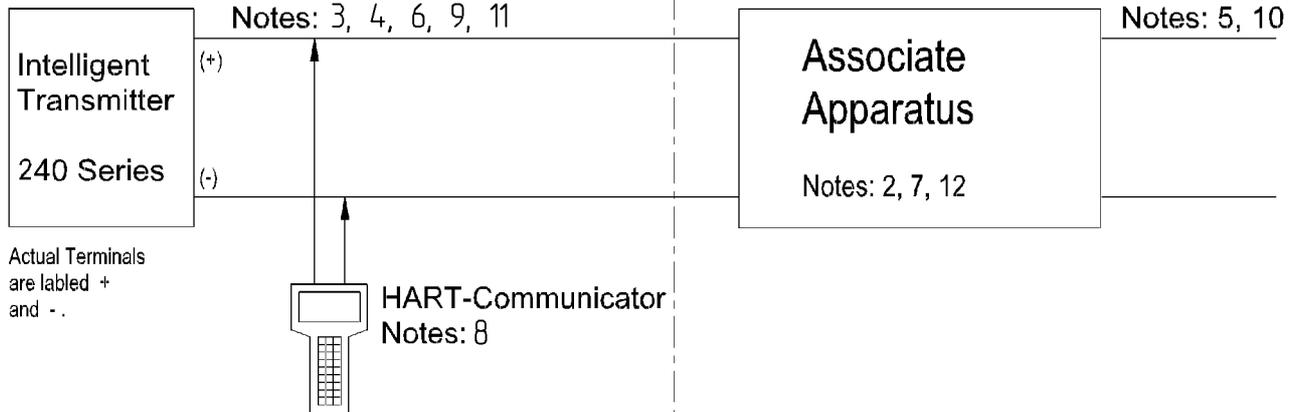
HAZARDOUS LOCATIONS

NON-HAZARDOUS LOCATIONS

INTRINSICALLY SAFE

Class I, Division 1, Groups A, B, C, D;
 Class II, Division 1, Groups E, F, G;
 Class III

$V_{max} = 30 \text{ V}$
 $I_{max} = 150 \text{ mA}$
 $P_{max} = 900 \text{ mW}$
 $C_i = 2,3 \text{ nF}$
 $L_i = 27 \text{ } \mu\text{H (HART)}$



See on page 2 for combined notes.

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angelegt	Abt.	Datum	geändert	Datum	Index	Status	AEM-Nr.		



Notes:

1. No revision to drawing without prior FMRC and CSA approval.
2. Associated apparatus manufacturer's installation drawing must be followed when installing this equipment.

FM:

3. The Entity Concept allows interconnection of intrinsically safe apparatus with associated apparatus not specifically examined in combination as system when: $V_{max} \geq V_{oc}$ or V_t ; $I_{max} \geq I_{sc}$ or I_t ; $C_a \geq C_i + C_{cable}$; $L_a \geq L_i + L_{cable}$
4. Dust-Tight conduit seal must be used when installed in Class II and Class III environments.
5. Control equipment connected to barrier must not use or generate more than 250 Vrms or Vdc.
6. Installation should be in accordance with ANSIP12.6 "Installation of Intrinsically Safe Systems for Hazardous (Classified) Locations" and the National Electrical Code (ANSI/NFPA 70).
7. The configuration of associated apparatus must be FMRC Approved.
8. HART Communicator Rosemount 275 or Foxboro Eckardt HT991 can be connected to loop in hazardous or ordinary location area for HART-communications. Refer to the Rosemount control drawing 00275-0081 before using.

CSA:

9. The Entity Concept allows interconnection of intrinsically safe apparatus with associated apparatus not specifically examined in combination as system when: $V_{max} \geq V_{oc}$; $I_{max} \geq I_{sc}$; $C_a \geq C_i + C_{cable}$; $L_a \geq L_i + L_{cable}$
10. Control equipment connected to barrier must not use or generate more than 250 Vrms or Vdc unless the device has been determined to adequately isolate the voltage from the barrier.
11. Wiring methods must be in accordance with the Canadian Electrical Code, CSA C22.1, Part 1, Appenix F.
12. The configuration of associated apparatus must be CSA certified.
13. **WARNING:** Substitution of components may impair intrinsic safety.
AVERTISSEMENT: La substitution de composants peut compromettre la securite intrinseque.

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