Measurement Loop
Hazardous Area Location

IS Class I, Division 1, Groups A, B, C, D
IS Class I, Zone 0, Group IIC

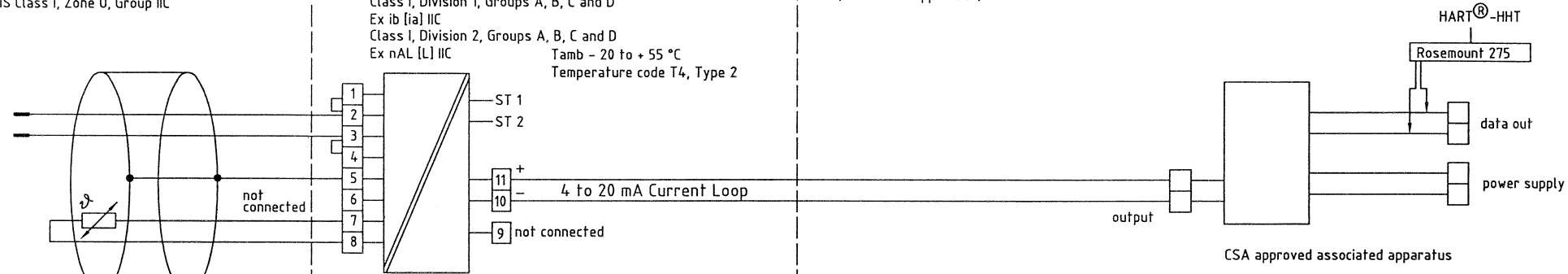
Hazardous Location Class I, Div 1 /Zone 1

2-Wire Transmitter SI 792X C
(intrinsically safe apparatus)

Class I, Division 1, Groups A, B, C and D
Ex ib [ia] IIC
Class I, Division 2, Groups A, B, C and D
Ex nAL [L] IIC
Tamb - 20 to + 55 °C
Temperature code T4, Type 2

Non-Hazardous Location

Transmitter Power Supply
(associated apparatus)



Entity Parameters: Terminals 10/11
with HART®Communication: Terminals 10/11
Interface inputs ST1, ST2
V_{max}, U_i = 30 V I_{max}, I_i = 100 mA P_{max}, P_i = 800 mW
C_i = 32.4 nF L_i = 240 µH
with HART®Communication
C_i = 0.103 µF

HAZARDOUS LOCATION
Suitable for CLASS I, DIV 2, GRP A, B, C, D, T4,
when powered by V_{oc}, U_o = 30 V, I_{sc}, I_o = 100 mA
Substitution of components may impair intrinsic
safety and the suitability for Class I, DIV 2
Do not disconnect equipment unless power has been
switched off or the area is known to be non-hazardous

NOTES :

1: $V_{max}, U_i > V_{oc}, U_o$ $I_{max}, I_i > I_{sc}, I_o$ $P_{max}, P_i > P_o$
$C_i + C_{cable} < C_a$ or C_o $L_i + L_{cable} < L_a$ or L_o

2: Installation must be in accordance with the Canadian Electric Code - Part 1

3: Associated apparatus must be CSA Approved and must be used in an CSA Approved configuration.

The control drawing for the associated apparatus must be followed when installing this equipment.

4: Control equipment connected to the associated apparatus must not use or generate more than 250 V.

5: The intrinsically safe equipment connecting to 1, 2, 3, 4, 5, 6 and 7, 8 must be CSA Approved or be simple apparatus (a device which will neither generate nor store more than 1.2 V, 0.1 A, 25 mW or 20 mJ).

6: No revisions to drawing without prior CSA Approval.

7: The Rosemount Model 275 Communicator must only be used on the non-hazardous side of the barrier/transmitter power supply

Conductivity Measuring Loop

Terminals 1, 2, 3, 4, 5, 6	Uo, Voc	Io, Isc	Po	Co, Ca	Lo, La
IIC (GRP A, B)	10V	143mA	357mW	3µF	1.3mH
IIB (GRP C)	10V	143mA	357mW	9µF	5mH
IIA (GRP D)	10V	143mA	357mW	24µF	10mH

Temperature Measuring Loop

Terminals 7, 8	Uo, Voc	Io, Isc	Po	Co, Ca	Lo, La
IIC (GRP A, B)	5V	3mA	4mW	100µF	1H
IIB (GRP C)	5V	3mA	4mW	300µF	1H
IIA (GRP D)	5V	3mA	4mW	800µF	1H

All Combined Outputs

Terminals 1, 2, 3, 4, 5, 6, 7, 8	Uo, Voc	Io, Isc	Po	Co, Ca	Lo, La
IIC (GRP A, B)	10V	146mA	365mW	3µF	1.3mH
IIB (GRP C)	10V	146mA	365mW	9µF	5mH
IIA (GRP D)	10V	146mA	365mW	24µF	10mH

HACH

Verteiler: FUL (2x)					Zul. Abweichungen für Maße ohne Toleranzangabe ISO 2768 - m	Oberfläche	Maßstab / Halbzeug
						Datum / Name	Benennung: control drawing CSA SI 792X C
					Bearb.	29.01.07 dam	
					Gepr.(KON)	~	
					Freigabe(FGL)	26.2.07	
					Schutzvermerk nach ISO 16016 beachten		Zeichnungsnummer: 194.220-230
Nr.	AE	Datum	Bearbeiter	FGL KON			Ungültig ab: / Ersetzt durch: