

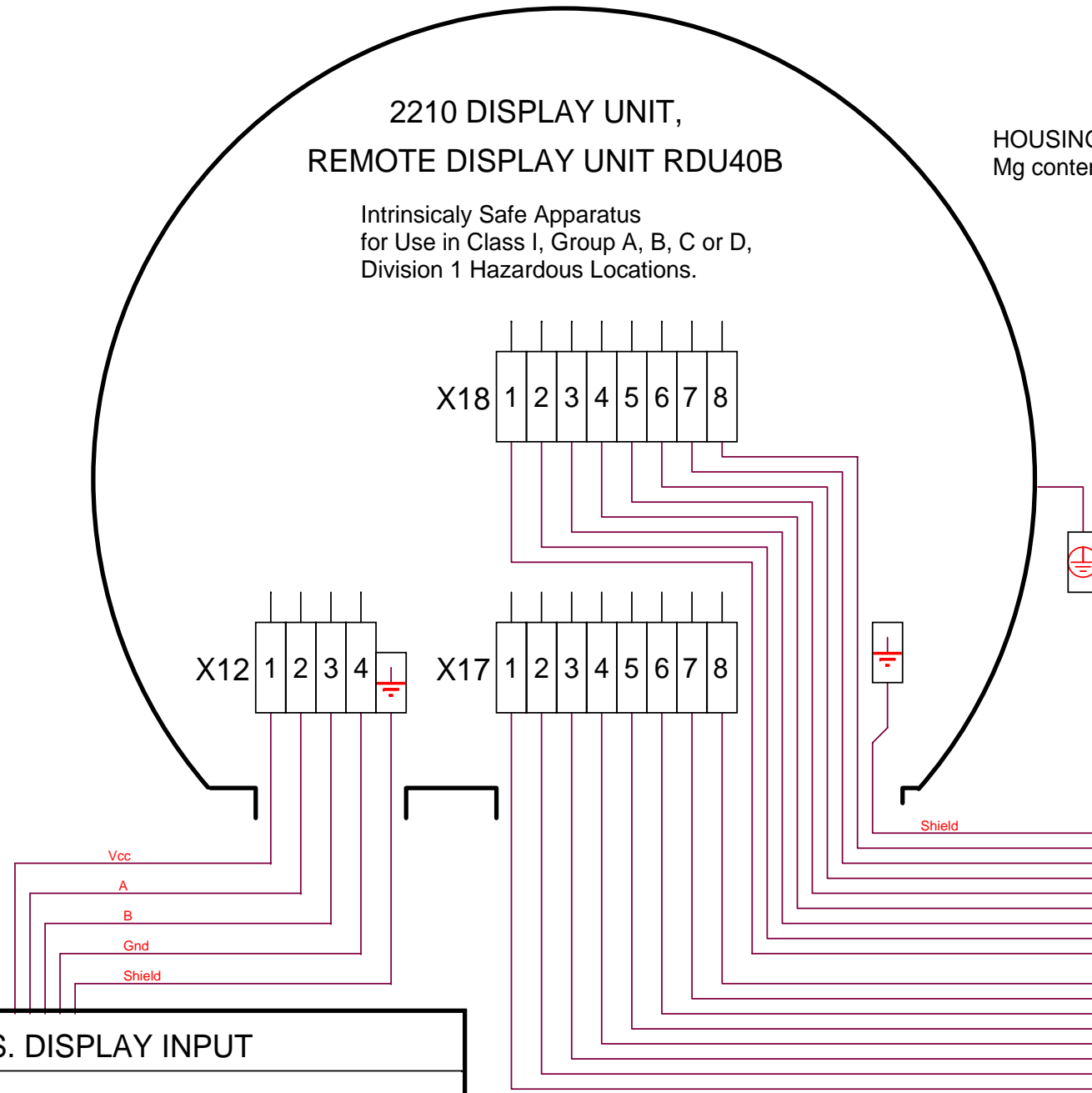
HAZARDOUS LOCATION

ISSUE	CHANGE ORDER No	WEEK	ISSUE	CHANGE ORDER No	WEEK	ISSUE	CHANGE ORDER No	WEEK
1	SME-3036	0216	2	SME-5617	0707			

2210 DISPLAY UNIT,
REMOTE DISPLAY UNIT RDU40B

Intrinsically Safe Apparatus
for Use in Class I, Group A, B, C or D,
Division 1 Hazardous Locations.

HOUSING MATERIAL: Al
Mg content: Max. 6% by weight



I.S. DISPLAY INPUT	
GAS GROUP	Vcc together with A and B
A	$V_{max} < 12\text{ V}$, $I_{max} < 400\text{ mA}$, $C_i = 0\text{ uF}$, $L_i = 0\text{ mH}$, $P_{max} < 0.7\text{ W}$
B	$V_{max} < 12\text{ V}$, $I_{max} < 400\text{ mA}$, $C_i = 0\text{ uF}$, $L_i = 0\text{ mH}$, $P_{max} < 0.7\text{ W}$
C	$V_{max} < 12\text{ V}$, $I_{max} < 400\text{ mA}$, $C_i = 0\text{ uF}$, $L_i = 0\text{ mH}$, $P_{max} < 0.7\text{ W}$
D	$V_{max} < 12\text{ V}$, $I_{max} < 400\text{ mA}$, $C_i = 0\text{ uF}$, $L_i = 0\text{ mH}$, $P_{max} < 0.7\text{ W}$

I.S. TEMPERATURE OUTPUT (OPTION)	
GAS GROUP	Combined parameters of X17 and X18
A	$V_{oc} = 5.88\text{ V}$, $I_{sc} = 172.4\text{ mA}$, $P_o = 253\text{ mW}$, $C_a = 43\text{ uF}$, $L_a = 0.7\text{ mH}$, $L_o/R_o = 140\text{ uH/Ohm}$
B	$V_{oc} = 5.88\text{ V}$, $I_{sc} = 172.4\text{ mA}$, $P_o = 253\text{ mW}$, $C_a = 43\text{ uF}$, $L_a = 0.7\text{ mH}$, $L_o/R_o = 140\text{ uH/Ohm}$
C	$V_{oc} = 5.88\text{ V}$, $I_{sc} = 172.4\text{ mA}$, $P_o = 253\text{ mW}$, $C_a = 43\text{ uF}$, $L_a = 0.7\text{ mH}$, $L_o/R_o = 140\text{ uH/Ohm}$
D	$V_{oc} = 5.88\text{ V}$, $I_{sc} = 172.4\text{ mA}$, $P_o = 253\text{ mW}$, $C_a = 43\text{ uF}$, $L_a = 0.7\text{ mH}$, $L_o/R_o = 140\text{ uH/Ohm}$

The Entity concept allows interconnection of intrinsically safe apparatus, not specifically examined in combination as a system, when the Approved values of V_{oc} (or V_t) and I_{sc} (or I_t) for the associated apparatus are less than or equal to V_{max} and I_{max} for the intrinsically safe apparatus, and the Approved values of C_a and L_a for the associated apparatus are greater than $C_i + \text{cable capacitance}$ and $L_i + \text{cable inductance}$.

FM Approved Product.
No revisions must be made to this drawing without prior Factory Mutual authorization.

9150 074-997	ISSUED BY GU-HN	WEEK 0216	PRODUCT CODE TR PRO	TITLE SYSTEM CONTROL DRAWING
	APPROVED BY GST-TK	WEEK 0216	DOC. TYPE 6	FILE Orcad
	ALL DIMENSIONS ARE IN MILLIMETRES.			FINISH, UNLESS OTHERWISE STATED:
				9150 074-997
1 ST ANGLE 			SCALE 1:1	DWG NO. 9150 074-997
The copyright/ownership of this document is and will remain ours. The document must not be used without our authorization or brought to the knowledge of a third party. Contravention will be prosecuted. Rosemount Tank Radar AB, Sweden				ISSUE 2
				SHEET 1 / 1