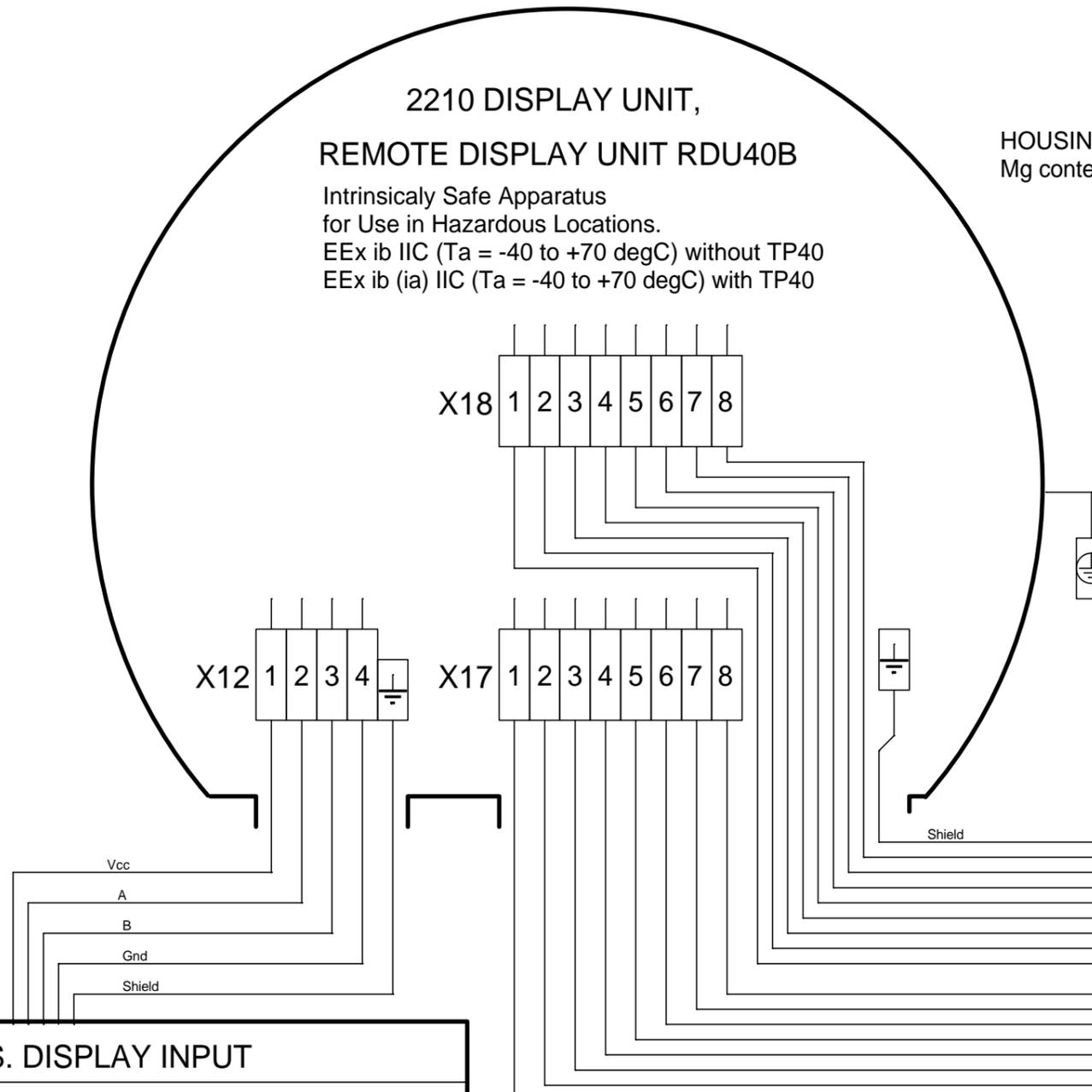


ISSUE	CHANGE ORDER No	WEEK	ISSUE	CHANGE ORDER No	WEEK	ISSUE	CHANGE ORDER No	WEEK
1	SME-3022	0224	2	SME-5615	0707			

2210 DISPLAY UNIT,
REMOTE DISPLAY UNIT RDU40B

Intrinsically Safe Apparatus
for Use in Hazardous Locations.
EEx ib IIC (Ta = -40 to +70 degC) without TP40
EEx ib (ia) IIC (Ta = -40 to +70 degC) with TP40

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



Note1: Installations in Canada shall be in accordance with the applicable requirements of the Canadian Electrical Code (CEC), Part I.

Note2: Substitution of components may impair intrinsic safety.

Note3: The associated apparatus shall be CSA certified with a maximum voltage rating U_o greater than 6.5V or otherwise C_i shall be considered 15.7 μ F.

I.S. TEMPERATURE OUTPUT (OPTION)	
GROUP	Combined parameters of X17 and X18
IIA	$U_o = 5.88\text{ V}$, $I_o = 172.4\text{ mA}$, $P_o = 253\text{ mW}$, $C_o = 43\text{ }\mu\text{F}$, $L_o = 0.7\text{ mH}$, $L/R = 140\text{ }\mu\text{H}/\text{Ohm}$
IIB	$U_o = 5.88\text{ V}$, $I_o = 172.4\text{ mA}$, $P_o = 253\text{ mW}$, $C_o = 43\text{ }\mu\text{F}$, $L_o = 0.7\text{ mH}$, $L/R = 140\text{ }\mu\text{H}/\text{Ohm}$
IIC	$U_o = 5.88\text{ V}$, $I_o = 172.4\text{ mA}$, $P_o = 253\text{ mW}$, $C_o = 43\text{ }\mu\text{F}$, $L_o = 0.7\text{ mH}$, $L/R = 140\text{ }\mu\text{H}/\text{Ohm}$

I.S. DISPLAY INPUT	
GROUP	Vcc together with A and B
IIA	$U_i < 12\text{ V}$, $I_i < 400\text{ mA}$, $C_i = 11\text{ nF}$, $L_i = 0\text{ mH}$, $P_i < 0.72\text{ W}$
IIB	$U_i < 12\text{ V}$, $I_i < 400\text{ mA}$, $C_i = 11\text{ nF}$, $L_i = 0\text{ mH}$, $P_i < 0.72\text{ W}$
IIC	$U_i < 12\text{ V}$, $I_i < 400\text{ mA}$, $C_i = 11\text{ nF}$, $L_i = 0\text{ mH}$, $P_i < 0.72\text{ W}$

The Entity concept allows interconnection of intrinsically safe apparatus, not specifically examined in combination as a system, when the Approved values of U_o , I_o and P_o for the associated apparatus are less than or equal to U_i , I_i and P_i for the intrinsically safe apparatus, and the Approved values of C_o and L_o for the associated apparatus are greater than C_i + cable capacitance and L_i + cable inductance.

EX-CERTIFIED PRODUCT.
No modifications permitted without reference to the Ex-certifying Authorities.

9150 074-944	ISSUED BY GU-HN	WEEK 0224	PRODUCT CODE TR PRO	TITLE SYSTEM CONTROL DRAWING
	APPROVED BY GST-TK	WEEK 0224	DOC. TYPE 6	FILE Orcad
	ALL DIMENSIONS ARE IN MILLIMETRES.			FINISH, UNLESS OTHERWISE STATED:
				1 ST ANGLE SCALE 1:1
DWG NO. 9150 074-944				ISSUE 2 SHEET 1 / 1
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				