

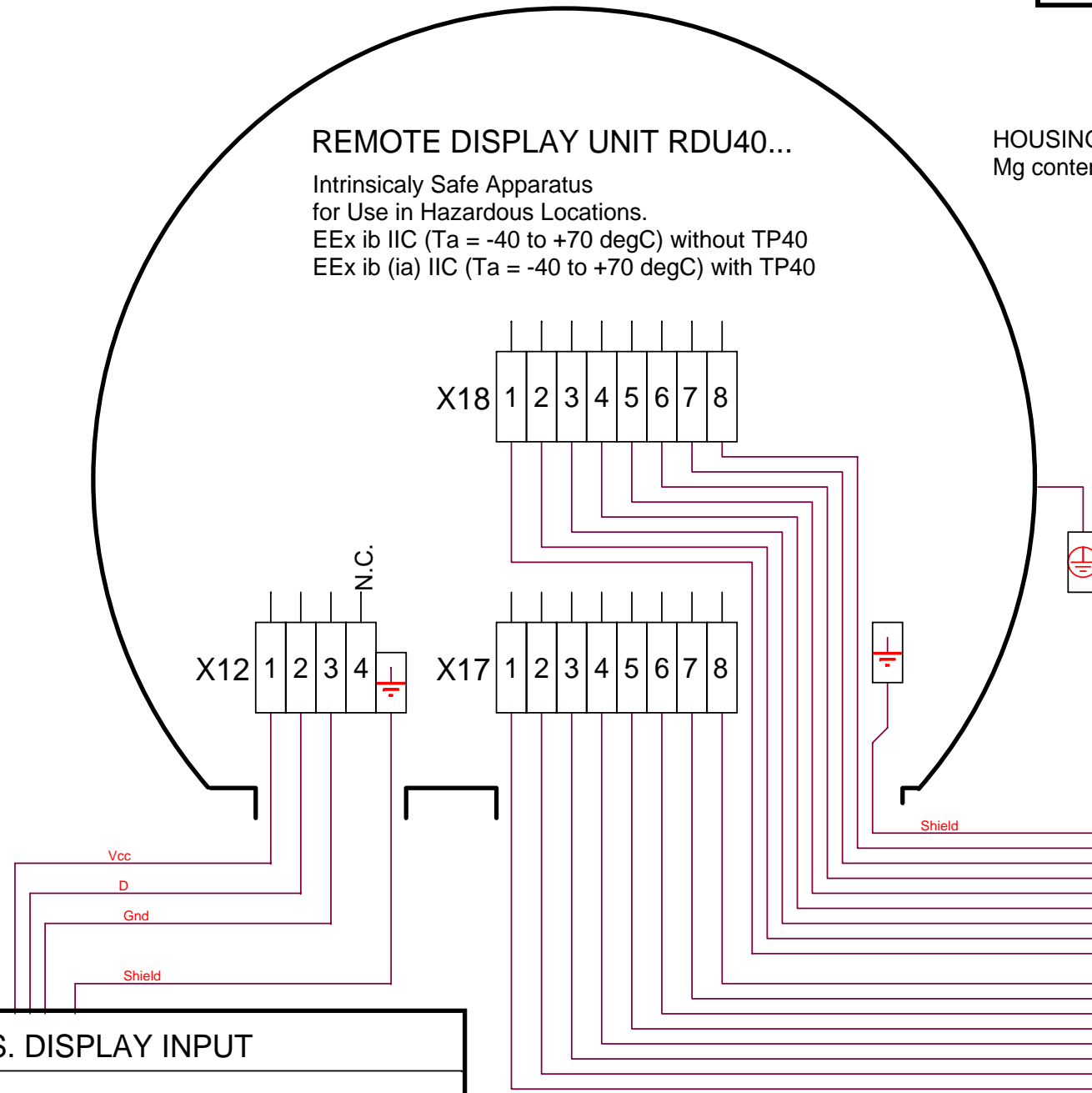
HAZARDOUS LOCATION

ISSUE	MODIF. ORDER NO.	WEEK	ISSUE	MODIF. ORDER NO.	WEEK	ISSUE	MODIF. ORDER NO.	WEEK
1	SME-3022	0224	2	SME-5615	0707			

REMOTE DISPLAY UNIT RDU40...

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 Uo greater than 6.5V or otherwise Ci shall be considered 15.7µF.

I.S. TEMPERATURE OUTPUT (OPTION)	
GROUP	Combined parameters of X17 and X18
IIA	Uo = 5.88 V, Io = 172.4 mA, Po = 253 mW, Co = 43 µF, Lo = 0.7 mH, L/R = 140 uH/Ohm
IIB	Uo = 5.88 V, Io = 172.4 mA, Po = 253 mW, Co = 43 µF, Lo = 0.7 mH, L/R = 140 uH/Ohm
IIC	Uo = 5.88 V, Io = 172.4 mA, Po = 253 mW, Co = 43 µF, Lo = 0.7 mH, L/R = 140 uH/Ohm

I.S. DISPLAY INPUT	
GROUP	Vcc together with D
IIA	Ui < 12 V, Ii < 400 mA, Ci = 22 nF, Li = 0 mH, Pi < 0.72 W
IIB	Ui < 12 V, Ii < 400 mA, Ci = 22 nF, Li = 0 mH, Pi < 0.72 W
IIC	Ui < 12 V, Ii < 400 mA, Ci = 22 nF, Li = 0 mH, Pi < 0.72 W

The Entity concept allows interconnection of intrinsically safe apparatus, not specifically examined in combination as a system, when the Approved values of Uo, Io and Po for the associated apparatus are less than or equal to Ui, Ii and Pi for the intrinsically safe apparatus, and the Approved values of Co and Lo for the associated apparatus are greater than Ci + cable capacitance and Li + cable inductance.

EX-Certified Product.
No modifications permitted
without reference to the
Ex-certifying Authorities.

9150074-933	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. TOLERANCES, UNLESS OTHERWISE STATED:			FINISH, UNLESS OTHERWISE STATED:
				DWG NO. 9150074-933
				ISSUE 2
				SHEET 1 / 1
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