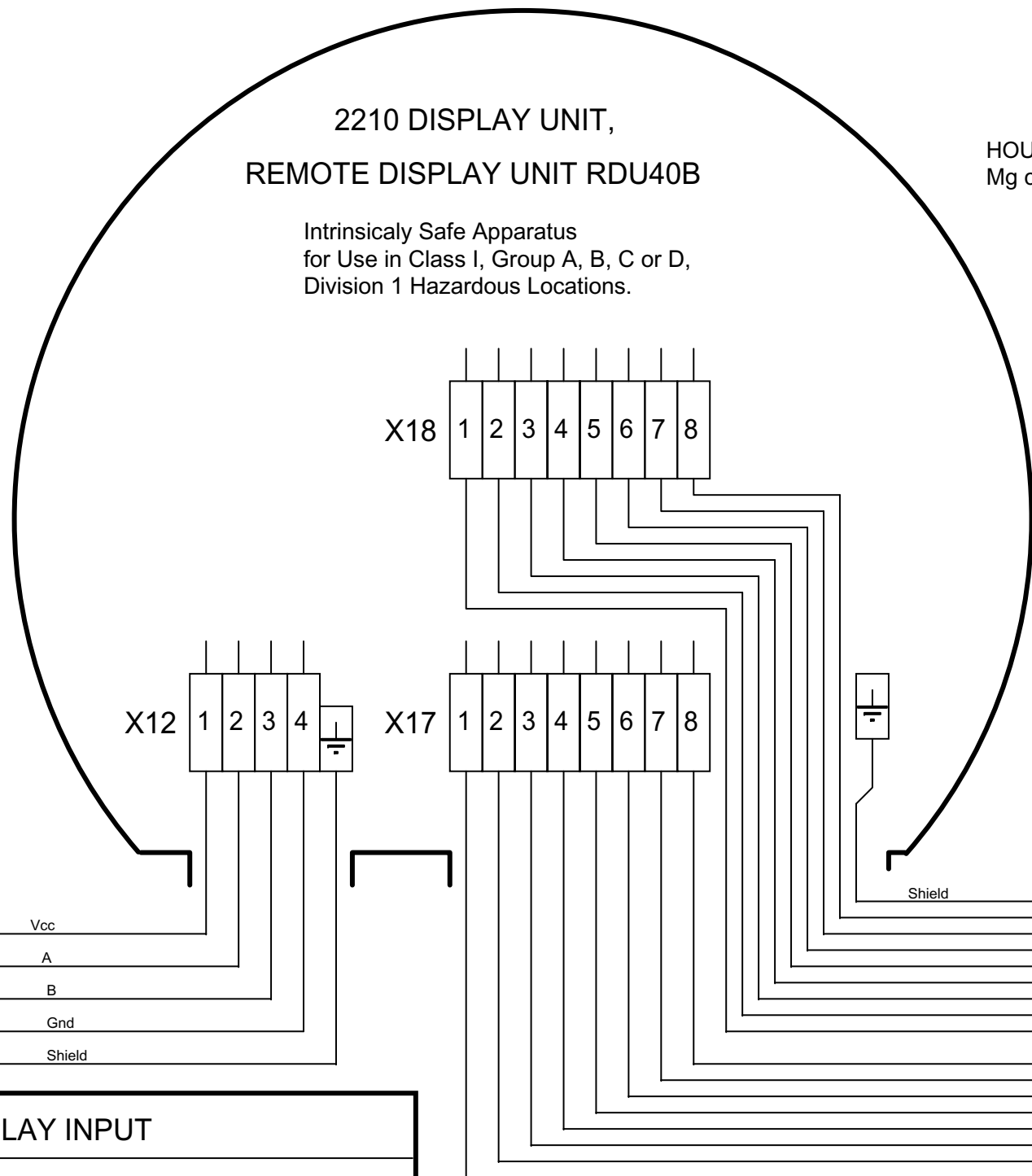


ISSUE	CHANGE ORDER No	WEEK	ISSUE	CHANGE ORDER No	WEEK	ISSUE	CHANGE ORDER No	WEEK
1	SME-3036	0216	2	SME-5617	0707	3	SME-7118	1143

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	$V_{max} < 12\text{ V}$, $I_{max} < 400\text{ mA}$, $C_i = 0\text{ }\mu\text{F}$, $L_i = 0\text{ mH}$, $P_{max} < 0.7\text{ W}$
B	$V_{max} < 12\text{ V}$, $I_{max} < 400\text{ mA}$, $C_i = 0\text{ }\mu\text{F}$, $L_i = 0\text{ mH}$, $P_{max} < 0.7\text{ W}$
C	$V_{max} < 12\text{ V}$, $I_{max} < 400\text{ mA}$, $C_i = 0\text{ }\mu\text{F}$, $L_i = 0\text{ mH}$, $P_{max} < 0.7\text{ W}$
D	$V_{max} < 12\text{ V}$, $I_{max} < 400\text{ mA}$, $C_i = 0\text{ }\mu\text{F}$, $L_i = 0\text{ mH}$, $P_{max} < 0.7\text{ W}$

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

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 + cable capacitance and L_i + cable inductance.

WARNING – Potential Electrostatic Charging Hazard – The enclosure is constructed from plastic. To prevent the risk of electrostatic sparking the plastic surface should only be cleaned with a damp cloth.”

“WARNING – The apparatus enclosure contains aluminum and is considered to constitute a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.”

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

9150 074-997	ISSUED BY	WEEK	PRODUCT CODE	TITLE
	GU-HN	0216	TR PRO	SYSTEM CONTROL DRAWING for hazardous location installation of FM approved Display unit
	APPROVED BY	WEEK	DOC. TYPE	
	GST-TK	0216	6	Orcad
ALL DIMENSIONS ARE IN MILLIMETRES.		FINISH, UNLESS OTHERWISE STATED:		DWG NO.
				9150 074-997
				ISSUE
				3
				SHEET
				1 / 1
		1 ST ANGLE		SCALE
		ROSEMOUNT		1:1
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Rosemount Tank Radar AB, Sweden				