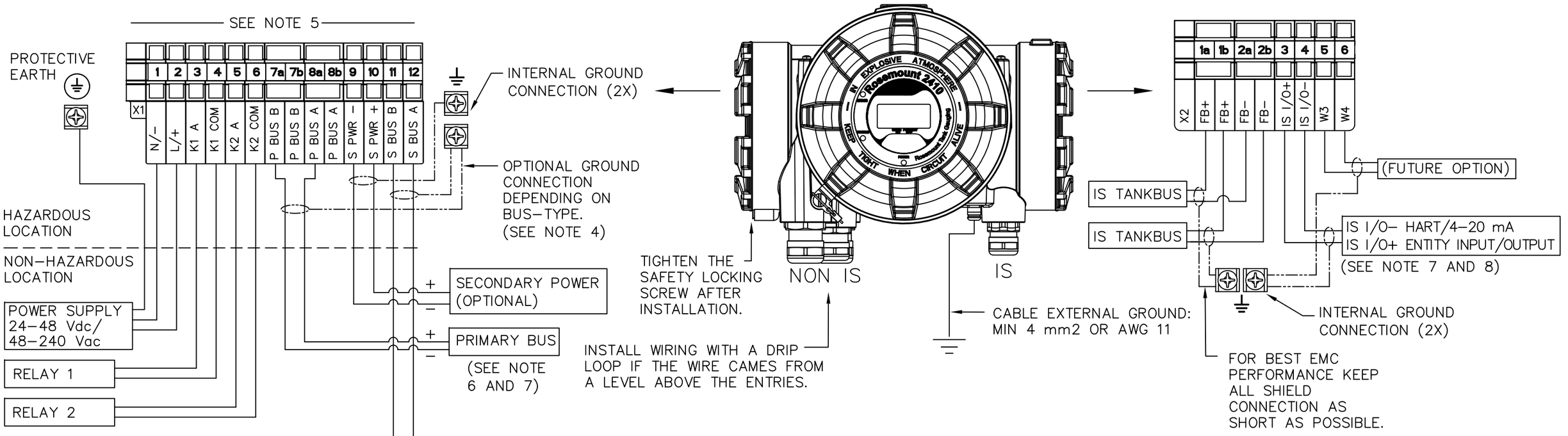
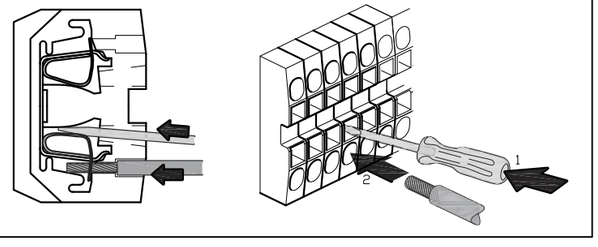


IS I/O HART/4−20mA ENTITY PARAMETERS		
GAS GROUP	ALT. 1 PASSIVE CURRENT LOOP	ALT. 2 ACTIVE CURRENT LOOP
A,B,IIC	Ui=30V; Ii=300mA; Ci=0uF; Li=0mH	Uo=23.1V; Io=95.3mA; Po=550mW Co<=0.14uF; Lo<=3.9mH
C,IIB	Ui=30V; Ii=300mA; Ci=0uF; Li=0mH	Uo=23.1V; Io=95.3mA; Po=550mW Co<=1.0uF; Lo<=15mH
D,IIA	Ui=30V; Ii=300mA; Ci=0uF; Li=0mH	Uo=23.1V; Io=95.3mA; Po=550mW Co<=3.67uF; Lo<=33mH

THE ENTITY CONCEPT ALLOWS THE INTERCONNECTION OF INTRINSICALLY SAFE DEVICES WITH ENTITY PARAMETERS NOT SPECIFICALLY EXAMINED IN COMBINATION AS A SYSTEM WHEN: Uo≤Ui, Io≤Ii, Po≤Pi, Co≥Ci + CABLE CAPACITANCE, Lo≥Li + CABLE INDUCTANCE.

USE A SCREW DRIVER TO CONNECT THE CONDUCTOR TO THE TERMINAL BLOCK.

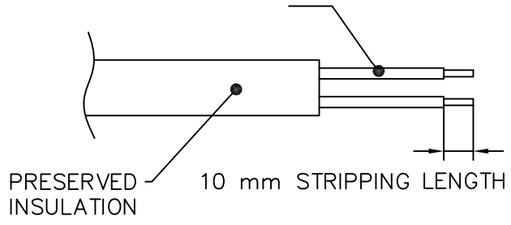


CONDUCTOR CONNECTION	MAXIMUM	
SOLID	4 mm2	AWG 11
FLEXIBLE	2.5 mm2	AWG 13
FLEXIBLE, FERRULE WITH PLASTIC COLLAR	1.5 mm2	AWG 16

CABLE DIAMETER FOR GLANDS WHEN SUPPORTED BY RTR.		
THREAD	1/2"	3/4"
CABLE DIAMETER	6−12 mm	9−16 mm

CABLE STRIPPING INFORMATION:

CONDUCTOR INSULATION
MAX ø2.9 mm OR 7/64 INCH TO FIT IN TERMINAL.



8 IS CURRENT LOOP ALTERNATIVE OPTIONS
1: PASSIVE CURRENT LOOP. INPUT VOLTAGE RANGE: 9,4−30V. (INFO 8,7−30V (Ain), 9,4−30V (Aout)).
2: ACTIVE CURRENT LOOP. OUTPUT VOLTAGE RANGE: 6.5−23V(Aout) @ 21.75−0mA (INFO 7,3−23V (Ain).6,5−23V (Aout)).

7 NOTE POLARITY FOR CONNECTION OF POLARITY SENSITIVE BUSES AND I/O (E.G. RS485 AND ANALOG I/O).

6 NON IS CURRENT LOOP ALTERNATIVE OPTIONS.
1: PASSIVE CURRENT LOOP. INPUT VOLTAGE RANGE: 8−35V (INFO 7,2−35V (Ain) 8−35V (Aout)).
2: ACTIVE CURRENT LOOP. OUTPUT VOLTAGE RANGE: 13.1−24V @ 21.75−0mA (INFO 13,7−24V (Ain), 13,1−24V (Aout)):

5 CONTROL EQUIPMENT CONNECTED TO THE ASSOCIATED APPARATUS MUST NOT USE OR GENERATE MORE THEN 250 VRMS OR VDC.

4 CONNECT SHIELD TO GROUND AT ONE END ONLY, OTHERWISE A GROUND LOOP MAY OCCUR.

3 RECOMMENDED EXTERNAL FUSE RATING: 2A (SLOW BLOW) / TANK HUB.

2 KEEP INSULATION PRESERVED IN AREA AROUND HOUSING INLETS TO AVOID CONTACT BETWEEN CABLES AND SHARP EDGES.
THE SHIELD MUST BE ISOLATED FROM THE HOUSING.

1 FOR MORE INFORMATION SEE SYSTEM CONTROL DWG 9240040−901.

ISSUED BY	WEEK	PRODUCT CODE	FILE	INSTALLATION DRAWING TITLE
EMe−BL	1050	2410	ACAD	ELECTRICAL INSTALLATION DRAWING 2410 TANK HUB
APPROVED BY	WEEK	ORIGINAL DWG NO.	SCALE	
EE−MK	1052	−	−	

ROSEMOUNT Tank Gauging

1 ST ANGLE

DOC TYPE	DWG NO.	ISSUE	SHEET
02	D9240041−952	04	01/01

INST. DWG. A3 070213