



2240S
TEMPERATURE
TRANSMITTER

5900 RADAR
LEVEL GAUGE

EXTERNAL FF
TERMINATOR

2230 DISPLAY

2410 TANK HUB

2410 TANK HUB

RELAY
OUTPUTS

POWER
SUPPLY

COMMUNICATION TO
CONTROL ROOM

COMMUNICATION TO
CONTROL ROOM

7 FOR CABLE ROUTING AND TERMINATOR, SEE 9240041-962.

6 FOR MORE INFORMATION SEE SYSTEM CONTROL DRAWING:

5900	9240040-917
2240S	9240040-910 AND 9240040-976
2410	9240040-901
2230	9240040-949

5 FISCO PARAMETERS -LOOP RESISTANCE R_c: 15...150 ohm/km
FOR TANKBUS CABLES: -LOOP INDUCTANCE L_c: 0.4-1mH/km
 -CAPACITANCE PER LENGTH UNIT C_c: 45-200 nF/km

4 RECOMMENDED PARAMETERS FOR EXTERNAL TERMINATOR: R=100±2 ohm, C=1.0±0.2uF

3 SHIELD WIRE GROUND: USE SINGLE GROUND POINT.
TYPICALLY AT THE POWER SUPPLY.

2 USE MIN 4 mm² OR AWG 11 FOR EXTERNAL GROUND CONNECTION.

1 POWER SUPPLY: USE 0.75-2.5 mm² OR AWG 18-13.

ISSUED BY EMe-BL	WEEK 1050	PRODUCT CODE 5900	FILE ACAD	INSTALLATION DRAWING TITLE ELECTRICAL INSTALLATION DRAWING SINGLE TANK REDUNDANT SYSTEM		
APPROVED BY EE-MK	WEEK 1103	ORIGINAL DWG NO. -	SCALE -	DOC TYPE 02	DWG NO. D9240041-960	ISSUE SHEET 03 01/01
ROSEMOUNT Tank Gauging				1 ST ANGLE 		
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.						

THIS DIAGRAM SHOWS ELECTRICAL CONNECTION OF I/O THAT MAY BE OPTIONAL AND/OR NOT POSSIBLE TO COMBINE.