



5 FOR MORE INFORMATION SEE SYSTEM CONTROL DRAWING:

5900 9240040-917
 2240S 9240040-910, 9240040-976
 2230 9240040-949

4 REQUIREMENT ON POWER SUPPLY BASIC EX CODE WHEN CONNECTED TO BELOW DEVICES AND USED IN AN FISCO SYSTEM.

	ATEX/IECEX		USA		CANADA	
Device	Zone	DIVISION	Zone	DIVISION	Zone	
5900	Ex[ia], Ex[ib]*	AIS CL I, DIV 1	AEx[ia], AEx[ib]*	AIS CL I, DIV 1	Ex[ia], Ex[ib]	
2240S	Ex[ia], Ex[ib]**	AIS CL I, DIV 1	AEx[ia], AEx[ib]**	AIS CL I, DIV 1	Ex[ia], Ex[ib]**	
2230	Ex[ia], Ex[ib]	AIS CL I, DIV 1	AEx[ia], AEx[ib]	AIS CL I, DIV 1	Ex[ia], Ex[ib]	

* Rosemount 5900 Series has been evaluated so that an ib barrier can connect to it restricting the installation of the Electronics Housing to a Category 2 / EPL Gb (Zone 1) Location while still allowing the Antenna to enter a Category 1 / EPL Ga (Zone 0) Location. This is shown by the "1/2" (ATEX), "Ga/Gb" (IECEX) or "Zone 0/1" (USA) in the Code.

** The Power Supply / Barrier must have triplicated output voltage limitation meeting the requirement for two faults ("ia" voltage limitation) if the connected temperature and Water Level Sensor are located in Zone 0.

- 3 VERIFY MIN VOLTAGE SUPPLY TO SC ON TRUNK.
- 2 IF SC WITH SPUR SHORT CIRCUIT PROTECTION IS USED, MAX CURRENT LIMIT MUST BE IN ACCORDANCE WITH THE CURRENT CONSUMPTION OF THE CONNECTED DEVICES.
- 1 THERE MUST BE A TERMINATION ON END OF TRUNK. USE BUILT IN TERMINATOR OR AN EXTERNAL TERMINATOR.

IMPORTANT!

- ALWAYS MAKE A SEGMENT DESIGN TO VERIFY
- SEGMENT MAX CURRENT CONSUMPTION
- SEGMENT MIN VOLTAGE SUPPLY TO ALL DEVICES
- SEGMENT MAX CABLE LENGTH (TRUNK + SPUR)

SC=SEGMENT COUPLER
 T=TERMINATOR

ISSUED BY EMe-BL	WEEK 1316	PRODUCT CODE 5900	FILE ACAD	INSTALLATION DRAWING TITLE SYSTEM INSTALLATION DRAWING FF FISCO SYSTEM				
APPROVED BY TT-MI	WEEK 1317	ORIGINAL DWG NO. -	SCALE -	1 ST ANGLE 	DOC TYPE 02	DWG NO. D7000001-798	ISSUE 02	SHEET 01
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