

MERCURY 2 INSTALLATION NOTES:-

- 1) INSTALLATION SHOULD BE IN ACCORDANCE WITH ANSI/ISA RP12.6 "INSTALLATION OF INTRINSICALLY SAFE SYSTEMS FOR HAZARDOUS (CLASSIFIED) LOCATIONS" AND THE NATIONAL ELECTRICAL CODE.
- 2) FOR CLASS II AND III APPLICATIONS USE LISTED DUST TIGHT CABLE ENTRY DEVICES.
- 3) ENSURE UNUSED CABLE ENTRY HOLES ARE DUST-TIGHT.
- 4) UPON INSTALLATION, VERIFY CONTINUITY OF GROUND.
- 5) THE R007 INTERFACE MODULE MUST BE INSTALLED IN AN ENCLOSURE WHICH MEETS THE REQUIREMENTS OF ANSI/ISA S82.01.

SAFE AREA ← CLASS I, II, III, DIVISION 1, GROUP A, B, C, D, E, F, G HAZARDOUS AREA →

NOTE THE R007 INTERFACE MODULE MUST BE LOCATED IN A SAFE AREA.

THE MERCURY 2 TERMINAL MAY BE MOUNTED IN A HAZARDOUS AREA.

NOTE. THE SAFE AREA EQUIPMENT MUST NOT BE CONNECTED TO A SOURCE OF VOLTAGE GREATER THAN 250Vac.

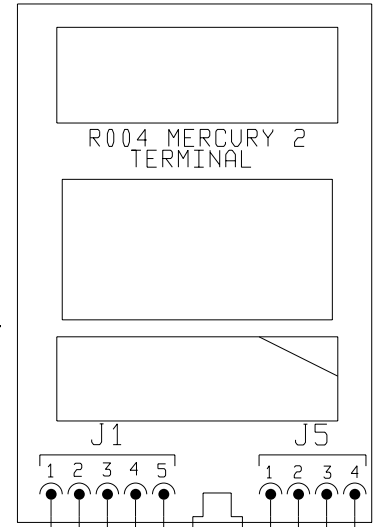
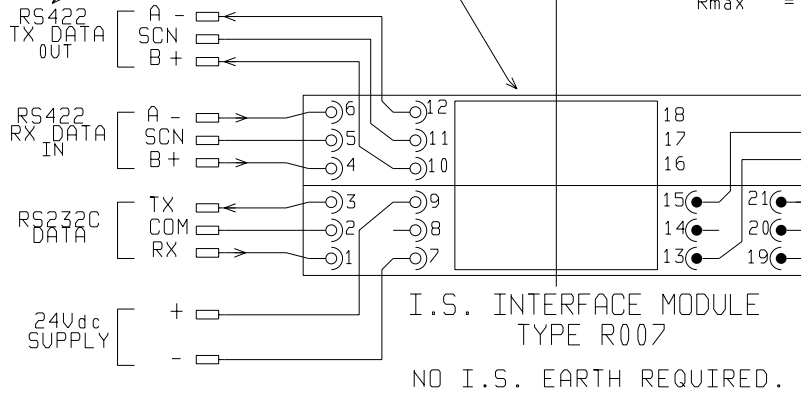
4 CORE OR 2 PAIR CABLE. MAXIMUM CABLE PARAMETERS:
 $C_{max} = 284nF$
 $L/R_{max} = 33uH/Ohm$
 $R_{max} = 18 Ohms/core$

THESE OPTIONAL STATUS INPUTS MUST BE INSULATED BY 500V FROM GROUND. THEY HAVE THE FOLLOWING SAFETY DESCRIPTION:
 $V_{out Max} = 29.4V$
 $I_{out Max} = 66.4mA$
 $P_{out Max} = 0.262W$
 $C_{ext Max} = 0.11uF$
 $L_{ext Max} = 135uH/Ohm$

POLARISED SOCKET AND PLUG

R008 BARCODE WAND

NOTE. IF A QUAD CABLE IS USED, IT REDUCES THE TELEMETRY CROSS-TALK IF DIAGONALLY OPPOSITE CORES ARE USED AS PAIRS.



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