

REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/05/00	M.A.B.
B	REVISED PER ECN E-1026	05/21/03	

NOTES:

- NO REVISION TO DRAWING WITHOUT PRIOR CSA APPROVAL.
- $V_{OC} \leq V_{max}$ ,  $I_{sc} \leq I_{max}$ ,  $C_a \geq C_i$  &  $C_{ocable}$ ,  $L_a \geq L_i$  &  $L$  cable.
- CONTROL EQUIPMENT CONNECTED TO BARRIER MUST NOT USE OR GENERATE MORE THAN 250 Vrms OR Vdc.
- INSTALL IN ACCORDANCE WITH:
  - CANADA- CANADIAN ELECTRICAL CODE (CEC) PART 1.
  - USA- ANSI/ISA RP 12.6 "INSTALLATION OF INTRINSICALLY SAFE SYSTEMS FOR HAZARDOUS (CLASSIFIED) LOCATIONS" AND THE NATIONAL ELECTRICAL CODE (ANSI/NFPA 70).
  - EUROPE- MUST COMPLY WITH THE INSTALLATION REQUIREMENTS OF THE COUNTRY OF USE, e.g. IN THE U.K., BS 5345:PART 4:1977.

5. ASSOCIATED APPARATUS MANUFACTURER'S INSTALLATION DRAWING MUST BE FOLLOWED WHEN INSTALLING THIS EQUIPMENT.

6. BARRIER MUST BE A CERTIFIED, SINGLE CHANNEL GROUNDED SHUNT-DIODE ZENER BARRIER OR A SINGLE CHANNEL ISOLATING BARRIER.

7. FOR UNITS WHICH ARE CONNECTED THROUGH A GROUNDED SHUNT-DIODE SAFETY BARRIER, ENSURE THAT THE TRANSMITTER IS MOUNTED TO A SURFACE WHICH IS AT THE SAME POTENTIAL AS THE BARRIER GROUND.

△ SHIELD OF CABLE OR CASE OF TRANSMITTER TO BE TIED TO AN INTRINSICALLY SAFE GROUND.

HAZARDOUS LOCATION CLASS 1 DIVISION 1 GROUPS A, B, C, D,

NONHAZARDOUS OR DIVISION 2 LOCATION

ASSOCIATED APPARATUS SAFETY BARRIER SEE NOTE 5 & 6

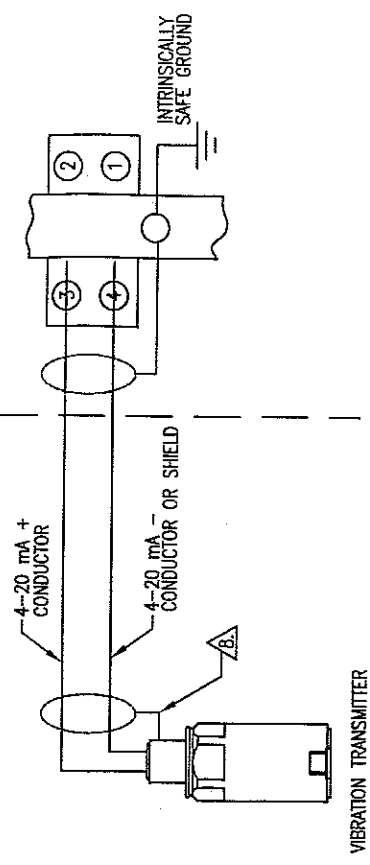
CONTROL AND MONITORING EQUIPMENT SEE NOTE 3

ENTITY PARAMETERS
GROUPS: A, B, C, D, E, F, G
$V_{max}$ or $U_i = 30$ Vdc
$I_{max}$ or $I_i = 106$ mA

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APPROVED MODEL NUMBERS
571A-A
571A-B
571A-C
571A-D
571A-E
571A-F

CONNECTION DIAGRAM, FOR INTRINSICALLY SAFE ROBERTSHAW VIBRATION TRANSMITTER IN DIVISION 1 LOCATION



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.		TITLE	
APPROVALS	DATE	CONNECTION DIAGRAM, 4-20mA TRANSMITTER, HAZARDOUS LOCATION	
DR D-HAWES	1/24/00	SCALE	NONE
DR BRETT CHODGE	07/05/2000	JOB NO.	53126
DR JOHN CHURCHILL	07/10/2000	REV.	B
DR MARK BRADLEY	07/10/2000	SHEET	1 OF 1

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