

MODEL 4200 2 WIRE OUTPUTS IN HAZARDOUS LOCATION

for 4200****AB***** only:	
Div 1 I.S. Entity Parameters	
input	
Ui	30Vdc
Ii	300mA
Pi	1,0 W
Ci	1200 pF
Li	7,5 uH

Div 2 Non-incendive Parameters	
ChA mA/H	ChB mA/FO/DO
output	
Vmax	30Vdc
Isc	22mA
input	
Vmax	-
Imax	-

For Screw terminal Connections:

Wire Strip Length: 0.28" (7mm)

Screw Torque: 0.37-0.44 lb/ft
(0.5-0.6Nm)

For connection of one, solid or stranded conductors use

26 AWG (0.129 mm²) to 14 AWG(2.08 mm²)

For connection of two, solid or stranded conductors use

26 AWG(0.129 mm²) to 17 AWG(1.04 mm²)

For 4200****AA***** only:

WARNING - A SEAL SHALL BE INSTALLED WITHIN 2 INCHES (50MM) OF THE ENCLOSURE
AVERTISSEMENT - UN SCELEMENT DOIT ETRE INSTALLE A MOINS DE 2 POUCES (50mm) DU BOITIER

This unit is provided with an external terminal for supplementary bonding connection. This terminal is for use where local codes or authorities permit or require such connection

ASSOCIATED APPARATUS PARAMETER LIMITS	
$V_{oc} < = V_{max}$	
$I_{sc} < = I_{max}$	
$(V_{oc} \times I_{sc}) / 4 < = P_{max}$	
$*C_a > = C_{cable} + C_i + C_i + \dots + C_i$	
$*L_a > = L_{cable} + L_i + L_i + \dots + L_i$	

*The total C_i is equal to the sum of all C_i 's of all devices on the network, C_{cable} is the total capacitance of all cable on the network.
*The total L_i is equal to the sum of all L_i 's of all devices on the network. L_{cable} is the total inductance of all cable on the network.
If the electrical parameters of the cable are unknown, then following values may be used:
Cable Capacitance= 60pF/ft Cable Inductance= 0.20uH/ft
This device must not be connected to any associated apparatus which uses or generates more than 250Vrms with respect to earth ground.
Per 61010 clause 5.4.2d.
Pollution degree 4;

Installation category I;
Altitude 6562 feet (2000m)
Humidity 5 to 95% relative humidity non-condensing between -40°F (-40°C) to +149°F (+65°C);
Temperature Range: -40°F(-40°C) to +149°F (+65°C);
Suitable for use outdoors within the limits and ratings described herein
Supply voltage fluctuations are not to exceed ±10% of the nominal supply voltage
Electrical supply: 30V (loop powered)
Use of this equipment in a manner not specified by the manufacturer, the protection provided may be impaired.

CAUTION:

To maintain intrinsic safety, the intrinsically safe wiring must be separated from all other wiring, and the Transmitter and Sensor must be properly grounded.

Hazardous Area
4200****AA*****

Class I Div. 1 Groups C,D
Class I Div. 2 Groups A,B,C,D
Class II Div. 1 Groups E,F,G
Temp. Code Div 1: T6
Temp. Code Div 2: T6.

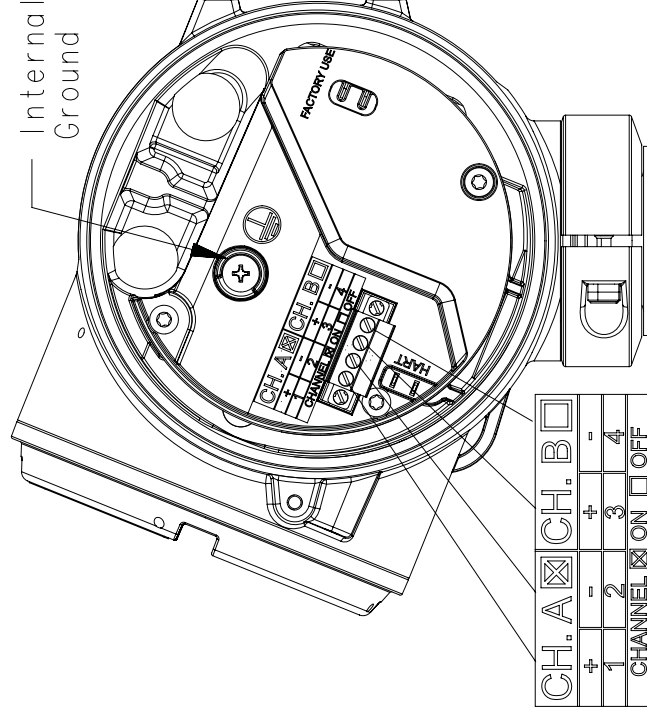
4200****AB*****
Class I Div. 1 Groups A,B,C,D
Class I Div. 2 Groups A,B,C,D
Class II Div. 1 Groups E,F,G
Temp. Code Div 1: T4A
Temp. Code Div 2: T6.

4200****2A*****

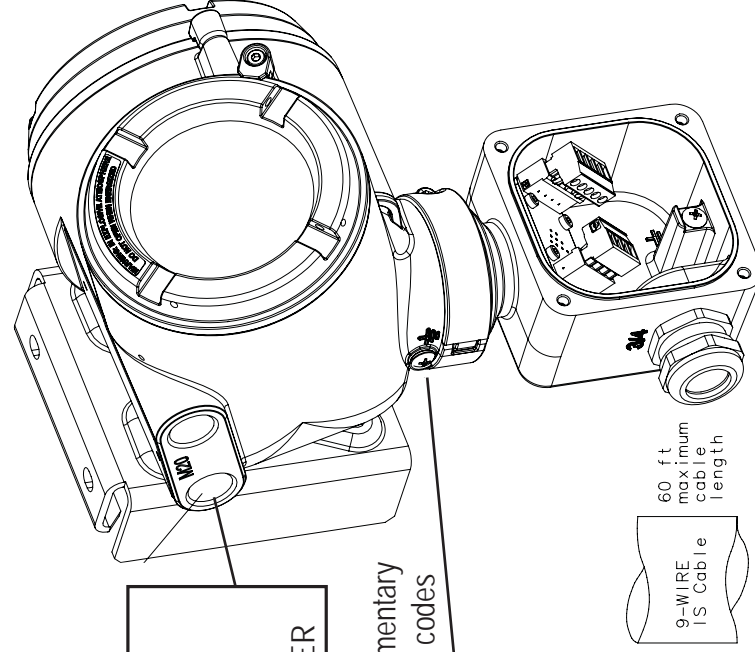
Class I Div. 2 Groups A,B,C,D
Class II Div. 2 Groups F,G
Temp Code Div. 2: T6

Note:

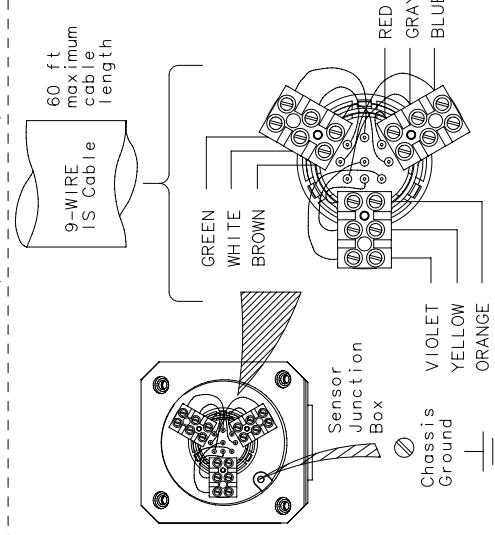
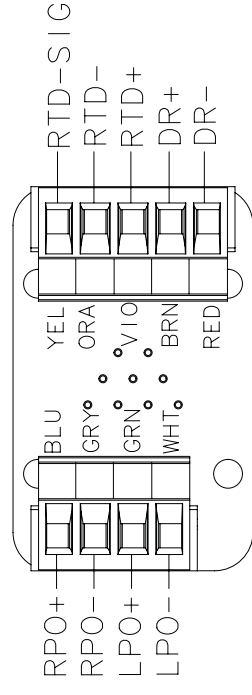
Hazardous area classification on an integrally mounted 4200 Transmitter can be limited by hazardous classification of the sensor. Refer to sensor tag.



4200 TERMINAL COMPARTMENT



4200 9 WIRE REMOTE



Hazardous Area

Class I Div. 1 Groups A,B,C,D
Class I Div. 2 Groups A,B,C,D
Class II Div. 1 Groups E,F,G

Micro Motion mass flowmeter system connection for intrinsically safe operation.

Electronics: 4200 2 WIRE