

REMOTE MOUNT MODEL 5700 IN HAZARDOUS LOCATION

(WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY)

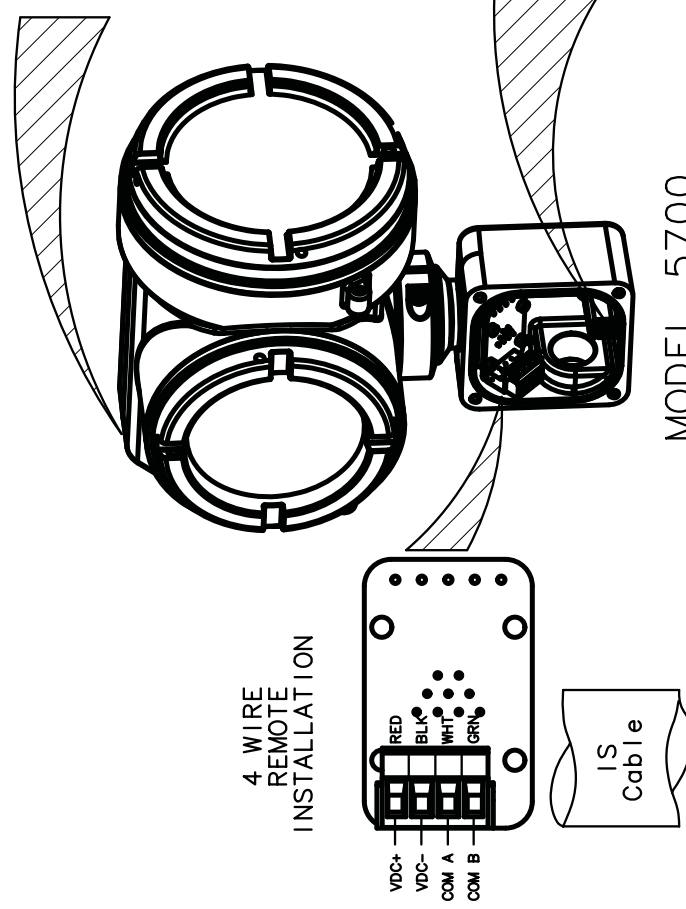
For proper installation including I/O, power, gland and hazardous area location, refer to appropriate 5700 output option CSA-D-IS installation instructions

	DIV 1 IS PRMTR	DIV 2 NON-INCND PRMTR
Voc (Vdc)	17.2	17.2
Isc (mA)	479	160
Po (W)	2.06	1.83
Ca (µF)	A,B N/A C 2.04 D 8.5	
La (µH)	A,B N/A C 619.9 D 1024	

Hazardous Area
Class **I** Div. 1 Groups C,D
Class **I** Div. 2 Groups A,B,C,D
Class **II** Groups E,F,G
Temp. Code Div 1:T6
Temp. Code Div 2:T5

Note:
Hazardous area classification on an integrally mounted 5700 transmitter can be limited by hazardous area classification of the sensor. Refer to sensor tag.

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

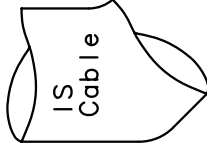


MODEL 5700

Hazardous Area
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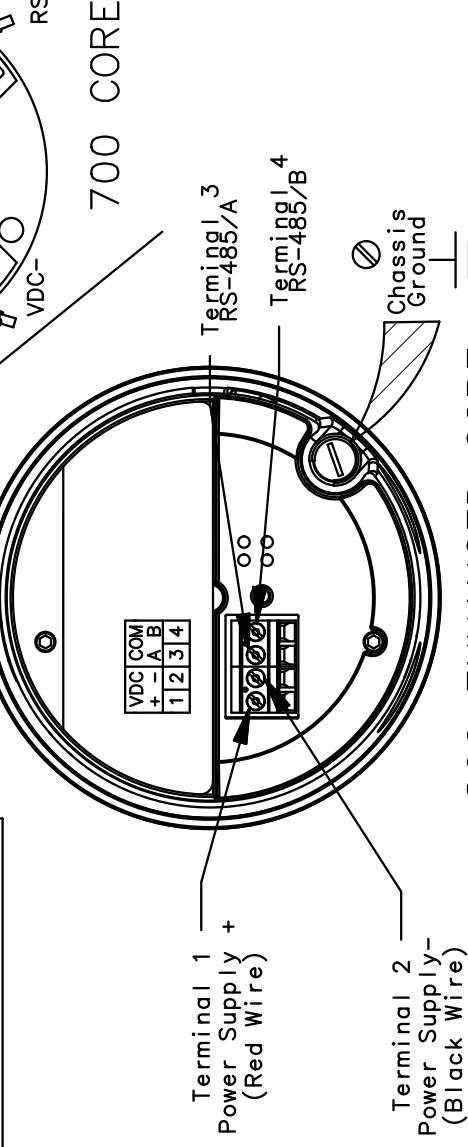
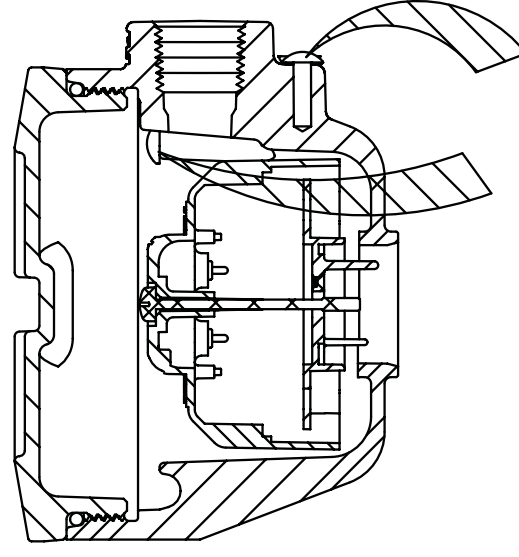
Refer to sensor tag for complete hazardous area classification.

4-WIRE I.S. AND NON-INCENDIVE CORE PROCESSOR ENTITY PARAMETERS	
V max	17,3 Vdc
I max	484 mA
P max	2,1W
Ci	2200pF
Li	30µH



See note 5

SENSOR MOUNTED
CORE PROCESSOR



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800 ENHANCED CORE

INSTALLATION NOTES:

ASSOCIATED APPARATUS PARAMETER LIMITS	
Voc < =	Vmax
Isc < =	I max
(Voc x Isc) / 4 < =	Pmax
*Ca > =	Ccable + Ci1 + Ci2 + ... + Cin
*La > =	Lcable + Li1 + Li2 + ... + Lin

- *The total Ci is equal to the sum of all Ci's of all devices on the network.
Ccable is the total capacitance of all cable on the network.
- *The total Li is equal to the sum of all Li's of all devices on the network.
Lcable is the total inductance of all cable on the network.
- If the electrical parameters of the cable are unknown, then the following values may be used:
Cable Capacitance = 60 pF/ft
Cable Inductance = 0.20 µH/ft
- This device must not be connected to any associated apparatus which uses or generates more than 250Vrms with respect to earth ground.
- Maximum cable length determined by entity parameters and maximum cable inductance.

Micro Motion mass
flowmeter system
connection for
intrinsically safe
operation

Electronics: 5700

EB-20028177 Rev. AA