MODEL 5700 REMOTE MOUNT WITH REMOTE CORE PROCESSOR AND SENSOR WITH JBOX

Installation Instructions
Type CSA-D-IS

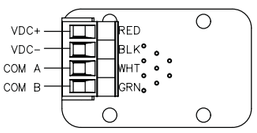
REMOTE MOUNT MODEL 5700 IN HAZARDOUS LOCATION TO SENSOR IN HAZARDOUS LOCATION

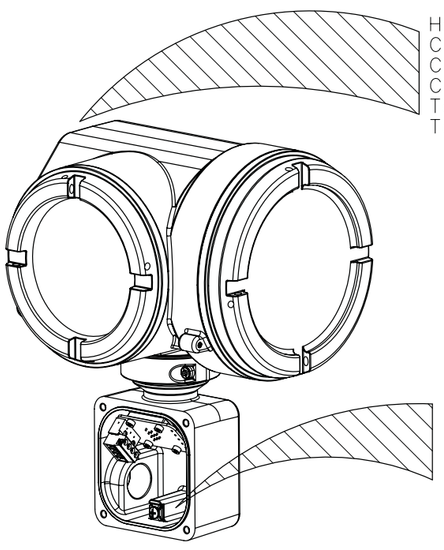
(WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY)

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	1,024	

4 WIRE REMOTE INSTALLATION





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

4-WIRE IS Cable — 1000 ft maximum cable length

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

INSTALLATION NOTES:

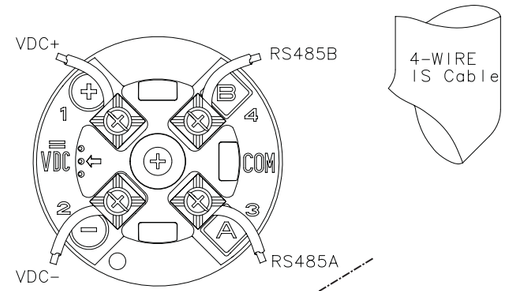
ASSOCIATED APPARATUS PARAMETER LIMITS
Voc < = Vmax
Isc < = Imax
(Voc x Isc) / 4 < = Pmax
*Ca > = Ccable + Ci_1 + Ci_2 + ... + Ci_n
*La > = Lcable + Li_1 + Li_2 + ... + Li_n

*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.

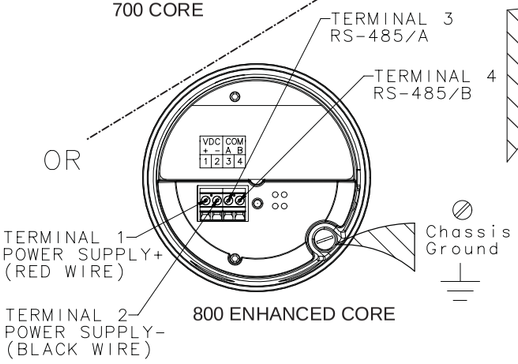
If the electrical parameters of the cable are unknown, then the following values may be used:
Cable Capacitance = 60pF/ft Cable Inductance = 0.20μH/ft

This device must not be connected to any associated apparatus which uses or generates more than 250Vrms with respect to earth ground.

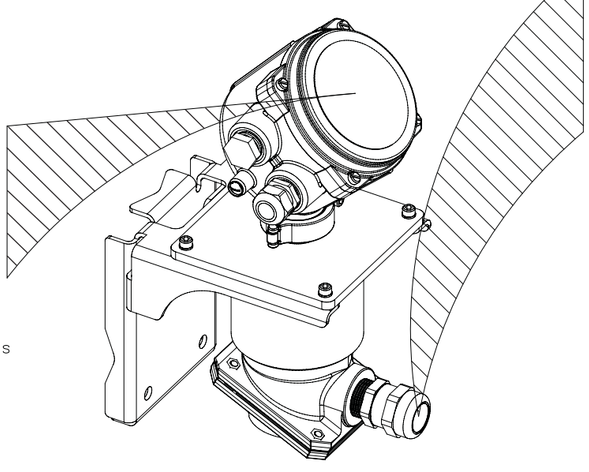


700 CORE

4-WIRE IS Cable

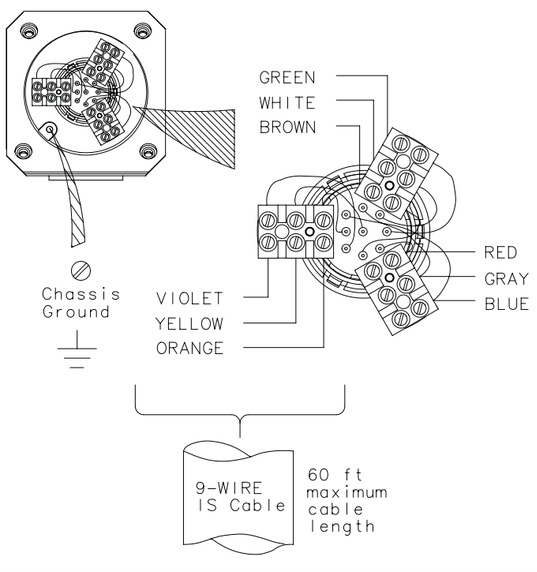


800 ENHANCED CORE



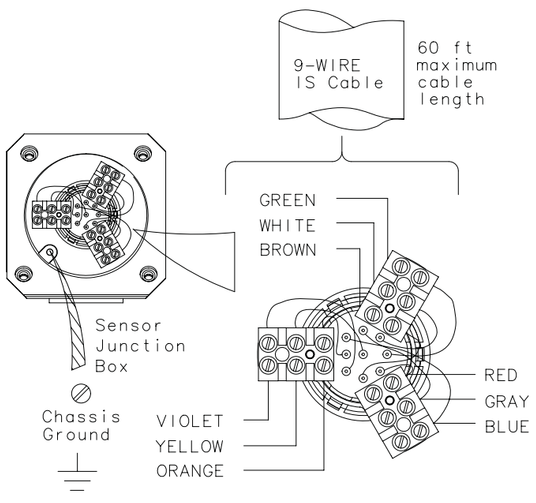
REMOTE CORE PROCESSOR

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



9-WIRE IS Cable — 60 ft maximum cable length

4-WIRE I.S. AND NON-INCENDIVE CORE PROCESSOR ENTITY PARAMETERS	
Vmax	17.3 Vdc
Imax	484 mA
Pmax	2.1W
Ci	2200pF
Li	30μH



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

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.

Micro Motion mass flowmeter system connection for Intrinsically safe operation.

MODEL			
CMF	CMFS		

Supplied as intrinsically safe

Electronics:5700

EB-20028178 Rev. AA
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