Installation Instructions
P/N MMI-20013247, Rev. AA
June 2009

CSA-D-IS Installation Instructions, MVD Transmitters

For installations approved by the Canadian Standards Association

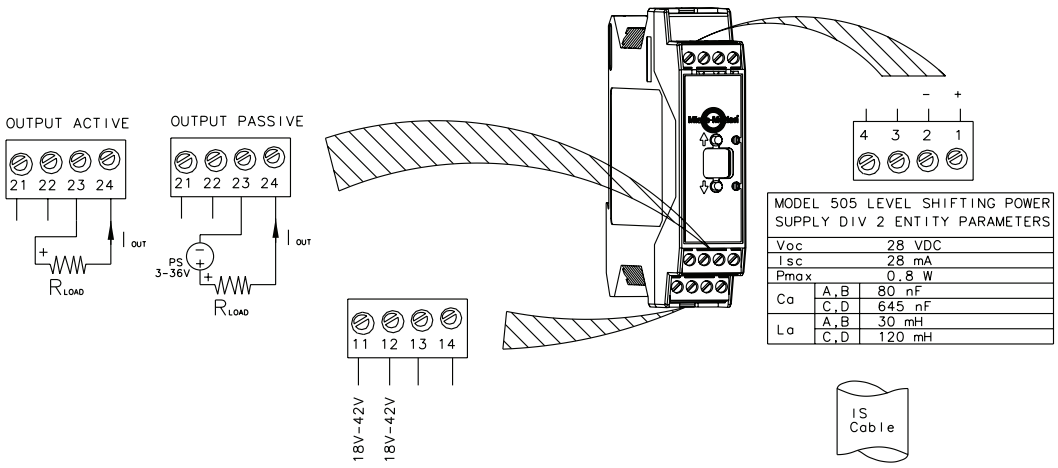
Micro Motion®
EMERSON™
Process Management

Model 2200S 2-Wire Installation

Model 505 adapter-barrier with sensor-mounted Model 2200S transmitter

(WARNING: SUBSTITUTIONS
OF COMPONENTS MAY
IMPAIR INTRINSIC SAFETY)

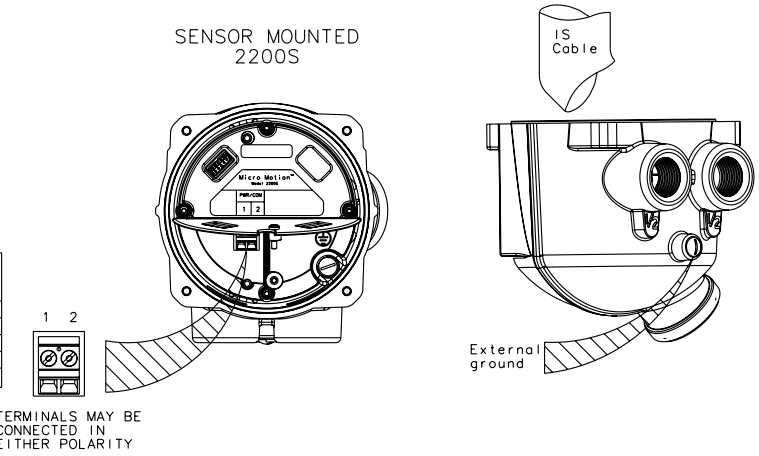
Hazardous Area
Class I, Div 2, Groups A,B,C,D



MODEL 505 LEVEL SHIFTING POWER SUPPLY DIV 2 ENTITY PARAMETERS		
Voc		28 VDC
Isc		28 mA
Pmax		0.8 W
Ca	A,B	80 nF
	C,D	645 nF
La	A,B	30 mH
	C,D	120 mH

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

Refer to sensor tag for complete hazardous area classification.



Entity parameters for Div. 1, Groups C&D and Div. 2 Groups A, B, C, and D.

2-WIRE I.S. AND NON-INCENDIVE 2200S ENTITY PARAMETERS	
Vmax	28 VDC
Imax	120 mA
Pmax	0,84 W
Ci	2200pF
Li	30µH

TERMINALS MAY BE CONNECTED IN EITHER POLARITY

ASSOCIATED APPARATUS PARAMETER LIMITS
Uo < = Ui
Io < = Ii
Po < = Pi
*Co > = Ccable + Ci_1 + Ci_2 + ... + Ci_n
*Lo > = 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 = 197pF/m
Cable Inductance = .66µH/m

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

Micro Motion mass flowmeter system connection for Intrinsically safe operation

Electronics:	MODEL 505 LEVEL SHIFTING POWER SUPPLY AND 2200S

EB-20012428 Rev. A

For the latest Micro Motion product specifications, view the PRODUCTS section of our web site at www.micromotion.com

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