

# CSA Hazardous Area Approvals Fisher™ 4200 Electronic Position Transmitters

## Hazardous Area Classifications and Special Instructions for “Safe Use” and Installations in Hazardous Locations

Certain nameplates may carry more than one approval, and each approval may have unique installation/wiring requirements and/or conditions of “safe use”. These special instructions for “safe use” are in addition to, and may override, the standard installation procedures. Special instructions are listed by approval.

**Note**

This information supplements the nameplate markings affixed to the product and the 4200 Instruction Manual ([D200354X012](#)), available from your [Emerson sales office](#) or Local Business Partner, or at [www.Fisher.com](#).

Always refer to the nameplate itself to identify the appropriate certification.

**⚠ WARNING**

Failure to follow these conditions of “safe use” could result in personal injury or property damage from fire or explosion, or area re-classification.

Intrinsically Safe, Explosion-proof, Dust Ignition-proof

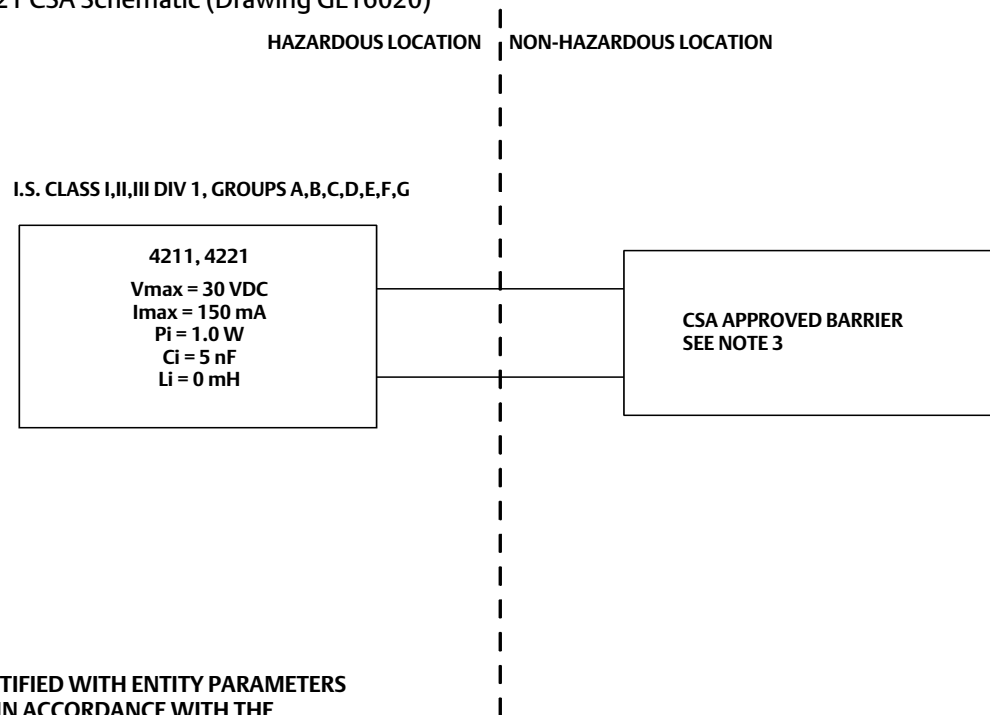
No special conditions for safe use.

Refer to table 1 for approval information.

Table 1. Hazardous Area Classifications—CSA (Canada)

Certification Body	Type	Certification Obtained	Entity Rating	Temperature Code
CSA	4211, 4221	Intrinsically Safe Class I,II,III Division 1 GP A,B,C,D,E,F,G per drawing GE16020 (see figure 1)	Ui = 30 VDC Ii = 150 mA Pi = 1.0 W Ci = 5 nF Li = 0 mH	T4 (Tamb ≤ 71°C)
	4210, 4211, 4212, 4215, 4220, 4221, 4222	Explosion-proof Ex d IIC T5 Class I, Division 1 GP B,C,D T5	---	T5 (Tamb ≤ 71°C)
	4210, 4211, 4212, 4215, 4220, 4221, 4222	Class II Division 1 GP E,F,G T5 Class III	---	T5 (Tamb ≤ 71°C)

Figure 1. Fisher 4211 and 4221 CSA Schematic (Drawing GE16020)

**NOTES:**

1. BARRIERS MUST BE CSA CERTIFIED WITH ENTITY PARAMETERS AND ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S I.S. INSTALLATION INSTRUCTIONS.
2. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE CANADIAN ELECTRICAL CODE (CEC) PART I.
3. FOR ENTITY INSTALLATION:  $V_{max} > V_{oc}$ ,  $I_{max} > I_{sc}$   
 $C_i + C_{cable} < C_a$ ,  $L_i + L_{cable} < L_a$

GE16020

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