



EMERSON DLC3020f Digital Level Controller Instruction Manual

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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 DLC3020f quick start guide (**D103470X012**) and instruction manual (**D103434X012**), available from your Emerson sales office or 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. Special Conditions for Safe Use Intrinsically Safe This apparatus can only be connected to intrinsically safe certified equipment and this combination must be compatible with the intrinsic safety rules (see electrical parameters in table 1). Flameproof, Type n No special conditions for safe use. Refer to table 1 for additional approval information.

Approval Information

Certification	Certification Obtained	Entity Rating		Temperature Code
ATEX	CD III G D Intrinsically Safe Ex is IIC T5/1-6 Ga Dust Ex ia IIIC T87°C (Tamb s 80°C), T80°C (lamb s 73°C) Da IP66	Fieldbus	FISCO	T5 (Tamb s 80° C) T6 (lamb s 73° C)
	©112GD Flameproof Ex d IIC T5/16 Gb Dust Ex tb 111C 187°C (lamb s 80°C), T80°C (lamb s 73°C) Db 1P66	Uis 24V li s 380 mA Pi s 1.4 W Ci s 5 nF Li = 0 mH	Ui = 17.5 V li = 380 mA Pi = 5.3 2 W Ci = 5 nF Li = 0 mH	T5 (Tamb s 80° C) T6 (lamb s 73° C)
	,0113GD Type n Ex nA IIC T5/16 Gc Dust Ex tc 111C -187°C (lamb s 80°C), T80°C (lamb s 73°C) Dc IP66	---		T5 (lamb s 80° C) T6 (lamb s 73° C)





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References

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