CCF2DX80 ATEX Enclosure data radio

Mode de protection:

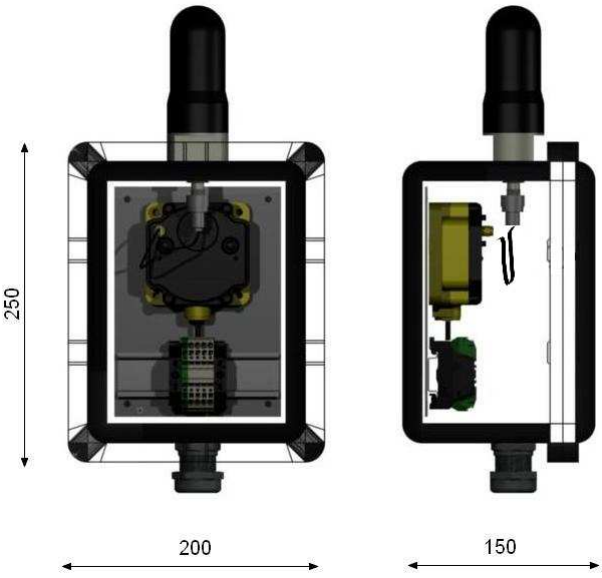
Type of protection:	II 2 GD Ex d IIB+H2 Ex tD A21 II 2 GD Ex d [ia] IIB+H2 / Ex tD [iaD] A21
Class of temperature:	T6-T3
Protection degree:	IP65
Ambient Temp :	-20 / +40℃
Zone :	1-2

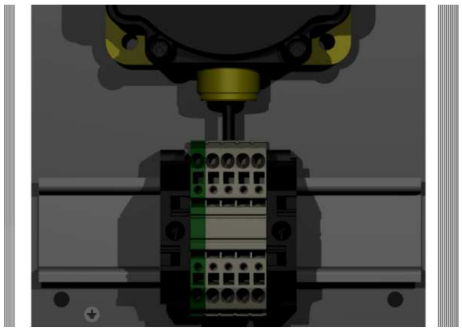
Description:

CCF2DX80 enclosure is used for data transmissions in hazardous area zone 1 gas.

• *Flex*Power power input options allow for +10 to 24V dc
• Serial communication style (RS232 or RS485) is user selectable
• Built-in site survey mode enables rapid assessment of a location's RF transmission properties by one person; hands-free operation and rapid display updates enable efficient antenna placement optimization
• Fully symmetric, bidirectional transceivers enable two-way communications and receive acknowledgements
• FHSS radios operate and synchronize automatically; no user setup is required; Selectable network IDs reduce interference from collocated networks
• Transparent operation adds little latency to serial data; connects seamlessly to Modbus serial networks as a wire replacement
• Basic configurable parameters (baud rate, power level) are switch selectable; an AT command set allows control of all user-selectable functions through the serial interface

Internal mounting:





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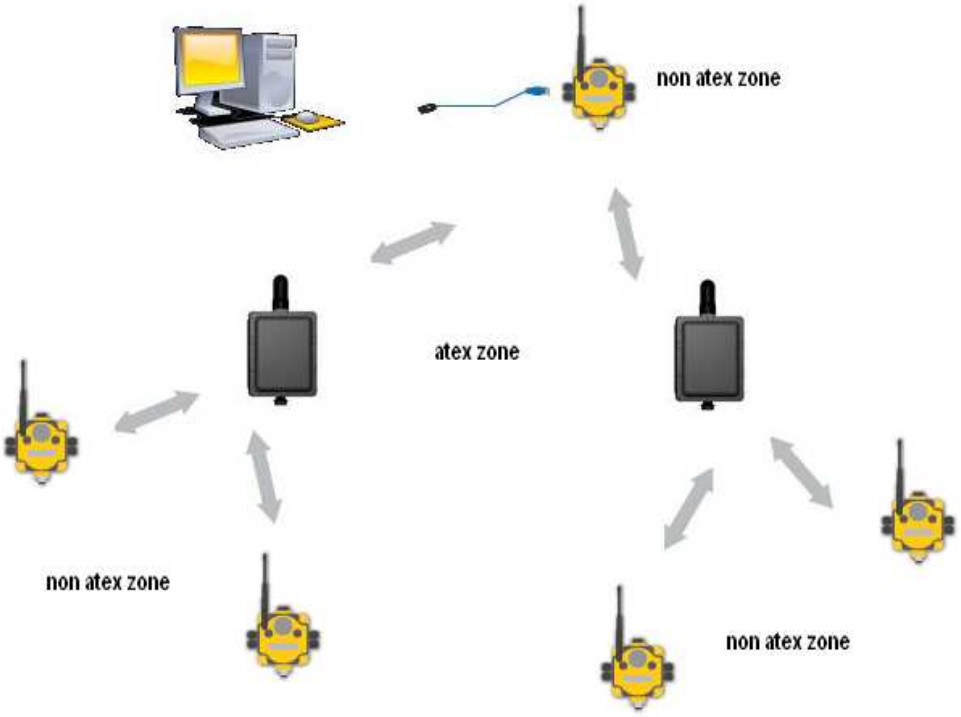
Network installation:



Technicals data:

Radio	
Range	2.4GHz
Transmit power	2.4GHz: 18 dBm Conducted (≤20 dBm EIRP with standard 2 dB antenna
Soread spectrumm technology	FHSS (Frequency Hopping Spread Spectrum)
General	
Power	+10 to 24V dc,
Power consumption	Grey Wire (3.8V): 80mW (low traffic) or 120 mW(high traffic)
	Brown wire (12V): 200mW (low traffic) or 250 mW (high traffic)
	For low traffic, a slave device consumes 25% less power than a master device.
Compliance	Models FCC ID UE300DX80-2400:
	This device complies with FCC Part 15, Subpart C, 15.247
	ETSI/EN: In accordance with EN 300 328: V1.7.1 (2006-05)
	IC: 7044A-DX8024
Operating humidity	95 % max. relative (non-condensing)
Radiated immunity	10 V/m, 80-2700 MHz (EN61000-6-2)
Ambiant Temperature	-20/+40℃