

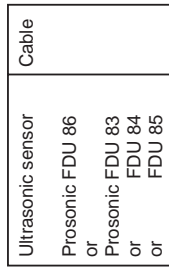
HAZARDOUS LOCATION AREA

FDU 86:
 Class II; Div. 1; Groups E, F, G
 Class III
 Suitable for Class II, III; Div. 2; Groups F, G

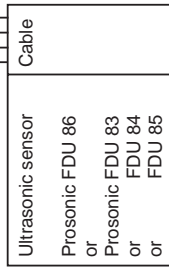
FDU 83 / 84 / 85:
 Class II; Div. 1; Groups E, F, G
 Class III

NON HAZARDOUS LOCATION AREA

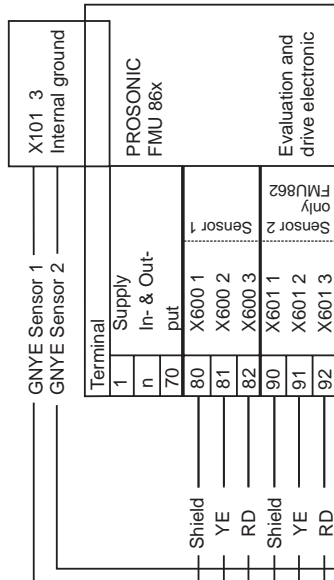
Sensor 1



Sensor 2



Optional:
depends on cable length



Note: In general:

1. Wire all circuits acc. Canadian Electrical Code Part I (CEC).
2. For more information see:
Installation and operating instruction of FMU 86x.
3. Warning: Substitution of components may impair instrument safety.
Avertissement: La substitution de composants peut compromettre la sécurité.
- A dust tight seal must be used for Div. 1 installation at the conduit entry.

Only for FDU 86: Class II, Div. 1+2

Electrical ratings:	FDU 83- ...	FDU 84- ...	FDU 85- ...	FDU 86-T ...	FDU 86-L ...
Supply circuit (Cable) Voltage (Piezo)	55	60	80	65	65
NTC Voltage	≤ 5,5	≤ 5,5	≤ 5,5	≤ 5,5	≤ 5,5
Current	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1
Frequency	30	21	17	10,9	10,9
Transmission time	4...11	2...7	1...3	1...3	1...3
Cont. Power (rms.) appr. (W)	1,2	1,8	2	1	1
Ambient temperature	-20...+80 °C	-20...+80 °C	-20...+80 °C	-40...+140 °C	-40...+80 °C

Version	max. ambient	max. surface	T-Code
FDU 86- T...	Ta = 140 °C	Tmax. = 153 °C	T3C
FDU 86- L...	Ta = 80 °C	Tmax. = 93 °C	T5

Agency controlled drawing.
 No changes without prior Agency approval.

ZD 047F/00/en/01.00/EHF
 CSA / B 29.04.99



**Installation drawing
 960319-3015 B**

Prosonic FDU 8x
 Dust-Ex

Endress + Hauser

