

Barrier supplied is a Turck Banner IM1 Range.

IM1-12Ex-R is a single channel unit  
IM1-22Ex-R is a dual channel unit.



Ex ia Ga IIC

IM1-12Ex-R Single OLE Bund Probe B8 or Water B2 or B6  
IM1-22Ex-R Dual OLE Probes as above.

These are for Reed Switch devices (SIMPLE APARATUS)

NAMUR Inputs

CH 1

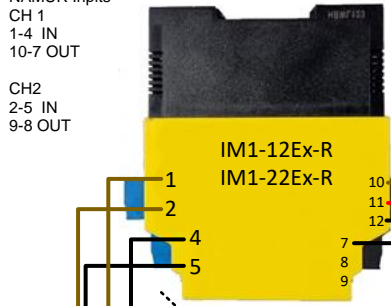
1-4 IN

10-7 OUT

CH2

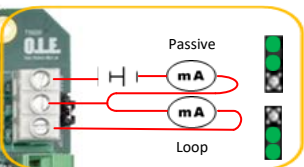
2-5 IN

9-8 OUT

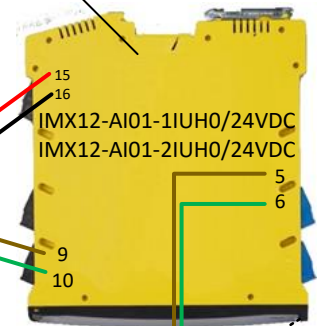


### Z5020 ATEX WIRING DIAGRAM

4-20 mA Output has two options.  
Passive = External power supplied and reads the 4-20 mA from the Gauge. (Proportional to Litres)  
Active/ Loop = Bottom Connections, when Gauge powers the loop and provides 4-20 mA proportional to Litres (Standard)



1UI Version is for one sensor/display  
No5 Brown from sensor-No6 Green from sensor  
No9 Brown to SIG on Gauge 4-20mA IN  
No10 Green to GND on Gauge 4-20mA IN  
2IU Version is for two Sensors/Displays  
No7 Brown from sensor-No8 Green from sensor  
No13 Brown to SIG on Gauge  
No14 Green to GND on Gauge



24vdc power required.  
Minimum 80mA

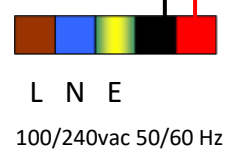
24vdc Outputs for Sirens,  
LED's Relays ETC

**ZONE/01**  
Bund Sensor  
Alarm Switch

**SAFE AREA**  
OLE Enclosures are IP65 Sealed

**ZONE/01**  
Tank Sensor

Mains power supply shall be installed in such a way that the Zone 0/1 cable entries do not come closer than 50mm to AC Power cables. Separate power supply options are available.



PRESSURE SENSOR	Output	Range	Unit
4-20 mA	A12	0-3000	mmwc
	A14	0-5000	mmwc
	A16	0-10,000	mmwc
	A18	0-20,000	mmwc
	A20	0-30,000	mmwc

OR + Manufactures P.No.

Differential Pressure Sensor  
FD11 & DP12 0-3000 mmwc which is for Vapour recovery Tanks

OR  
DPE5 Special, which is for High Pressure CO2 and similar tank.

DRAWING No: S947 Iss 4  
Date: 02/06/2023