Wiring Diagram

OPW Nano with Progauge MagDirect-P & XMT-SI probes.

Safe Area

CN1 **Power Supply**

- 1 +12 V (Red)
- 2 -3 -
- 4 GND (White)

CN2

Output RS485

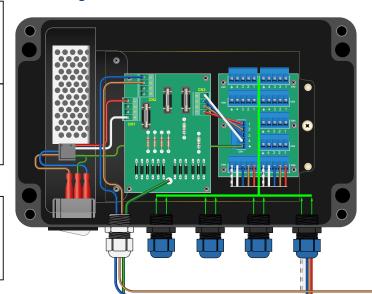
- 1 Channel B (Blue)
- 2 Channel A (Brown)

Hazardous Area

CN3

Probe Connection

- 4 GND (White) 3 - RS485 B (Blue)
- 2 RS485 A (Brown)
- 1 +12 V (Red)



MagDirect BRA-SIP Passive Barrier

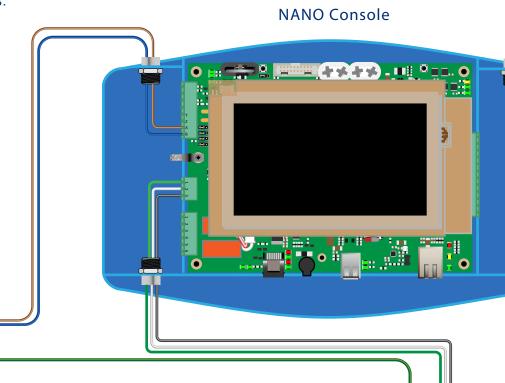
CN1

Barrier Connection

- 1 +12 Vdc (Red)
- 2 RS485 A (Brown) 3 - RS485 B (Blue)
- 4 -0 Vdc (White)
- ÷ GND

CN2 - CN9

- **Probe Connection** 1 - Power Supply to sensors (Red or Black) 2 - RS485 A (Brown)
- 3 RS485 B (Blue)
- 4 GND (White)

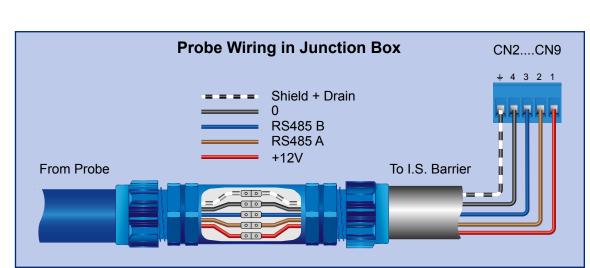


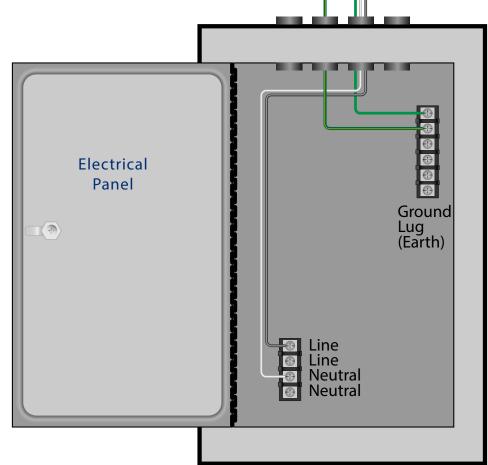
Note for I.S Ground:

- >> Use a separate ground wire 2.5mm² minimum for I.S. Ground
- >> Ensure that the I.S GND is on the same earth terminal as the PSU GND.
- >> Resistance between console ground and power panel should be less than 1 Ohm.

- 1. Field cable LiYstCYY 2x0.25mm² + 2x1.0mm² ProGauge P/N 864VS14-911
- 2. Conduit rigid steel or PVC. Seal at both ends.
- 3. Junction box IP68 (Progauge P/N JB-SI). Use epoxy gel to seal the wire connections.
- 4. Probe cable
- 5. Riser cap with cable gland
- 6. Riser 2" sch.40 (min I.D 52 mm)

Up to 8 probes can be connected on 1 MagDirect-P box.





M2018-PG-P Wiring Diagram

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or optimum print view, set print properties for 11(H) X 17(W) paper, landscape orientation.