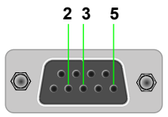
Wiring Diagram

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

Safe Area

CN6
Output RS485
1 - Channel B (Blue)
2 - Channel A (Brown)

CN2
RS232 to system
1- RX on pin 3 RS DB9
2- TX on pin 2 RS DB9
3- GND on pin 5 RS DB9



DB9 Female Connector

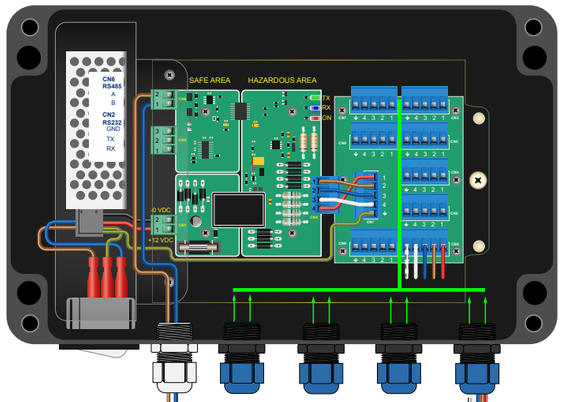
CN1
Power Supply
12 - 24 Vdc
2 - -0 Vdc & Common RS485*

*Common RS485 in Safe area can be connected to the negative terminal of the power supply.

Hazardous Area

CN4
Probe Connection
1 - RS485 A (Brown)
2 - RS485 B (Blue)
3 - -0 Vdc (White)
4 - +12 Vdc (Red)

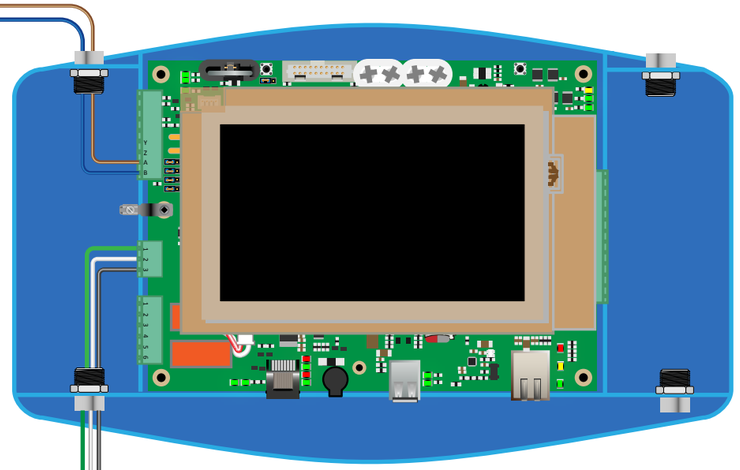
MagDirect BRA-SI Active Barrier

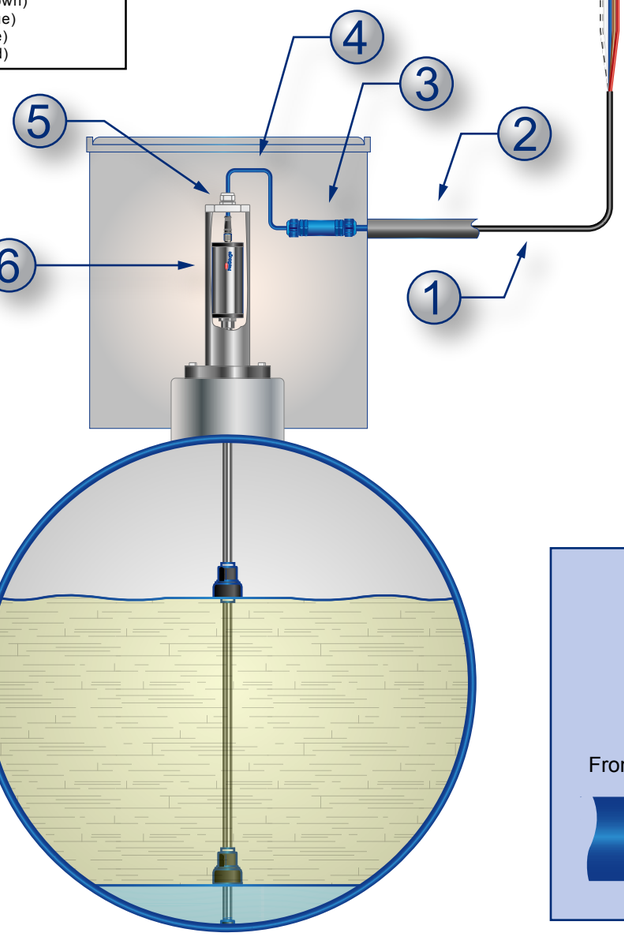


CN1
Barrier Connection
1 - +12 Vdc (Red)
2 - RS485 A (Brown)
3 - RS485 B (Blue)
4 - -0 Vdc (White)
⏚ GND (Shield - optional)

CN2 - CN9
Probe Connection
1 - Power Supply to sensors (Red or Black)
2 - RS485 A (Brown)
3 - RS485 B (Blue)
4 - GND (White)
⏚ GND (Shield - optional)

NANO Console

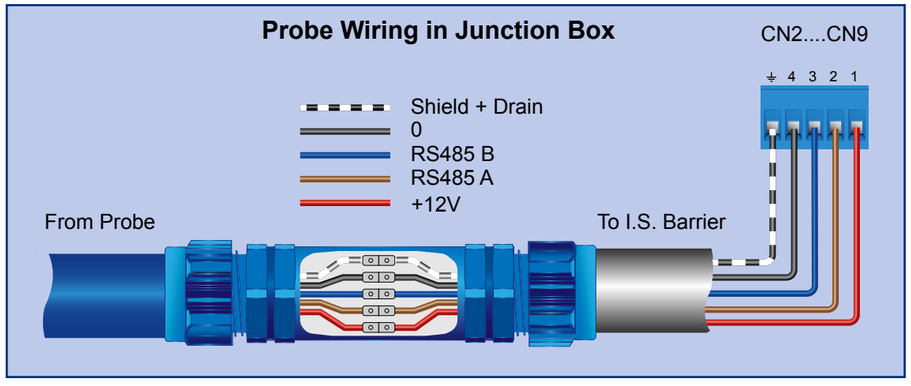


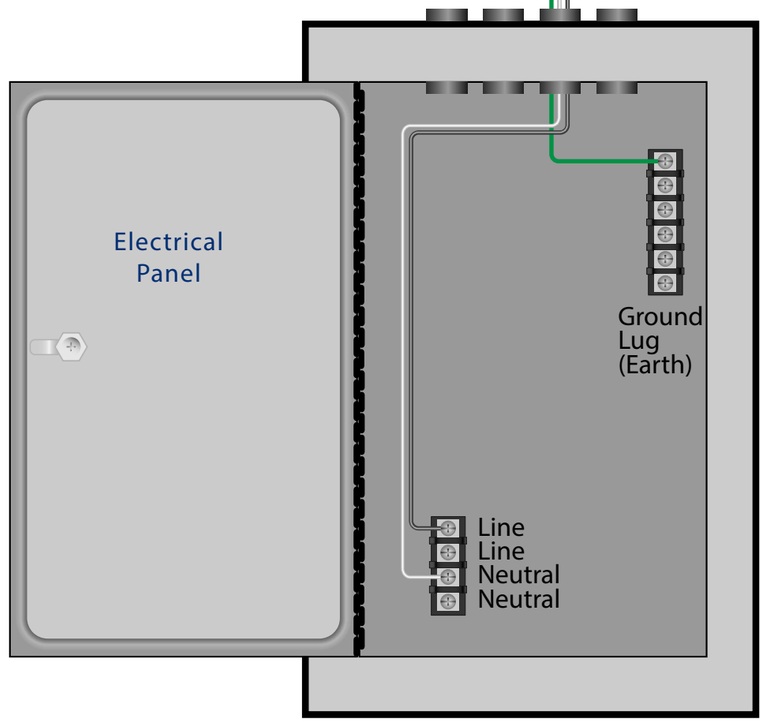


Legend:
1. Field cable LiYstCYY 2x0.25mm² + 2x1.0mm²
   ProGauge P/N 864VS14-911
2. Conduit rigid steel or PVC. Seal at both ends.
3. Junction box IP68 (Progauge P/N JB-SI).
   Use epoxy gel to seal the wire connections.
4. Probe cable
5. Riser cap with cable gland
6. Riser 2" sch.40 (min I.D 52 mm)

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

Probe Wiring in Junction Box





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

M2018-PG-A Wiring Diagram	
OPW Nano with Progauge MagDirect & XMT-SI probes.	
Rev. 0	04/13/2018

DOVER FUELING SOLUTIONS