3-Hole Drill Area

VSmart Module

I.S. Barrier #2

I.S. Barrier #1

L N GND I.S. GND 1 2 Petro-Net

Up to 4 - 924B Mag Probes may be wired in parallel with one home run.

Up to 16 sensors may be wired in parallel with one home run.

PWR SIG GND PWR SIG GND PWR SIG GND PWR SIG GND

12V Barrier
(See installation manual for 24V Barrier connections)

Recommended cable: Belden #88760 (shielded 2-wire twisted pair)

NOTE: NO splices allowed between last device connection and I.S. Barrier.

Up to 3 VLLD Sensors may be wired in parallel with one home run.

Sensor Junction Box

Probe Junction Box

VLLD Junction Box

Shield
Shield (Ground)
Black
Black (Signal)
Red
Red (Power)
From Sensor
Bag Tie
Packet
Epoxy Sealant
Wires
Wire Nuts

Ground (Black)
Shield
Shield (Ground)
Black (Signal)
Signal (Brown)
Power (Blue)
Red (Power)
From Probe or VLLD Sensor
Bag Tie
Packet
Epoxy Sealant
Wires
Wire Nuts

iSite ATG Console

J14 — Alternate Connection to Internal Output Relay

J19

Line, Neutral, Ground – minimum 14 AWG stranded copper

OPW Petro-Net Cable Part # 12-1029 (twisted pair RS-485)

- Maximum length for entire Petro-Net circuit = 5,000 feet
- Connect all runs together in parellel
- Ensure that polarity is maintained (black = PNet 1/A)

Dedicated 15 amp outlet

12 AWG minimum stranded copper for I.S. Ground

OM4 Module

COMM N.C. N.O. OUTPUT 1
COMM N.C. N.O. OUTPUT 2
COMM N.C. N.O. OUTPUT 3
COMM N.C. N.O. OUTPUT 4

P-NET 1
P-NET 2
N.C.
PWR
PWR

OM4 Module Power Transformer 110/120 V Receptacle

Tank Overfill Alarm

NOTE: If continuous alarm is needed, wire Normally Closed (Open under power)

1 - Float
2 - Float
3 - Neutral
4 - Line
Ground

NOTE: Tank Alert Ground must connect to Service Panel Ground Lugs

IMPORTANT:
All field wiring must comply with NFPA 30A & 70 as well as all national, state and local electrical codes.

Dispenser Hook Signal

Panel

A B C A B C A B C A B C

CAUTION: All OPW equipment MUST be on the same phase!

All equipment must be on individual 15 amp circuits (except OM4)

NOTE: All Grounding Connections must connect to Service Panel Ground Lugs

LIM Module

HV FEEDBACK 4 / N/C / HV OUTPUT 4 / N/C / HV HOOK 4
HV FEEDBACK 3 / N/C / HV OUTPUT 3 / N/C / HV HOOK 3
HV FEEDBACK 2 / N/C / HV OUTPUT 2 / N/C / HV HOOK 2
HV FEEDBACK 1 / N/C / HV OUTPUT 1 / N/C / HV HOOK 1

P-NET 1
P-NET 2
N.C.
NEUTRAL
NC
LINE

LIM Module Cover Plate must be Grounded

CAUTION: LIM Power, HV Feedback and HV Hook MUST be on the same electrical phase.

STP Relay

S1 S2 M2 M1 N L1 L2

NOISE SUPPRESSOR PART #02-4002

OPW A DOVER COMPANY

SiteSentinel iSite

Field Wiring Diagram

M00-ISITE, Rev. 0