



Aircraft and Medical Instruments

U.M.A., Inc

260 Main St., P.O. Box 100

Dayton, Virginia 22821

Phone (540)879-2040

FAX: (540) 879-2738

E-mail umainc@umainstruments.com

Web Site <http://www.umainstruments.com>

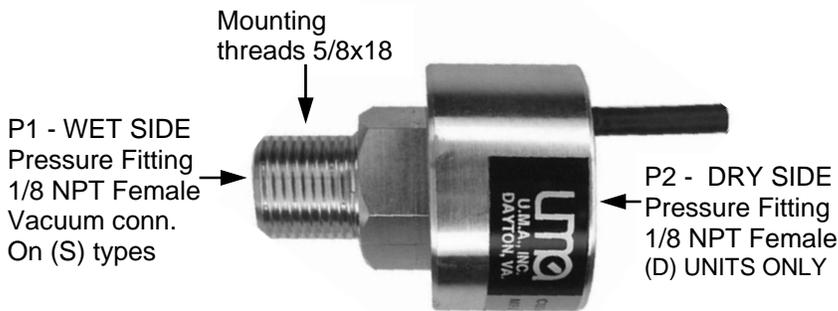
INSTALLATION INSTRUCTIONS N1EUxxx(A/G/D/S)* PRESSURE SENDER

INSTALLATION

MOUNT UNIT TO ENGINE WITH 1/8" NPT NIPPLE OR MOUNT ON BULKHEAD, PREFERRED, AND RUN A CONNECTING HOSE TO UNIT. THE UNIT IS RATED TO 120°C SO CARE SHOULD BE TAKEN TO KEEP UNIT AWAY FROM HIGH HEAT SOURCES.

WIRING

USE #24 OR #22 SHIELDED WIRE. USE TEFLON INSULATED TYPE IF ROUTED IN AREAS OVER 100°C



*TYPE G UNITS ARE GAUGE READING
TYPE D UNITS ARE DIFFERENTIAL
TYPE A UNITS ABSOLUTE
TYPE S UNITS SUCTION GAUGE

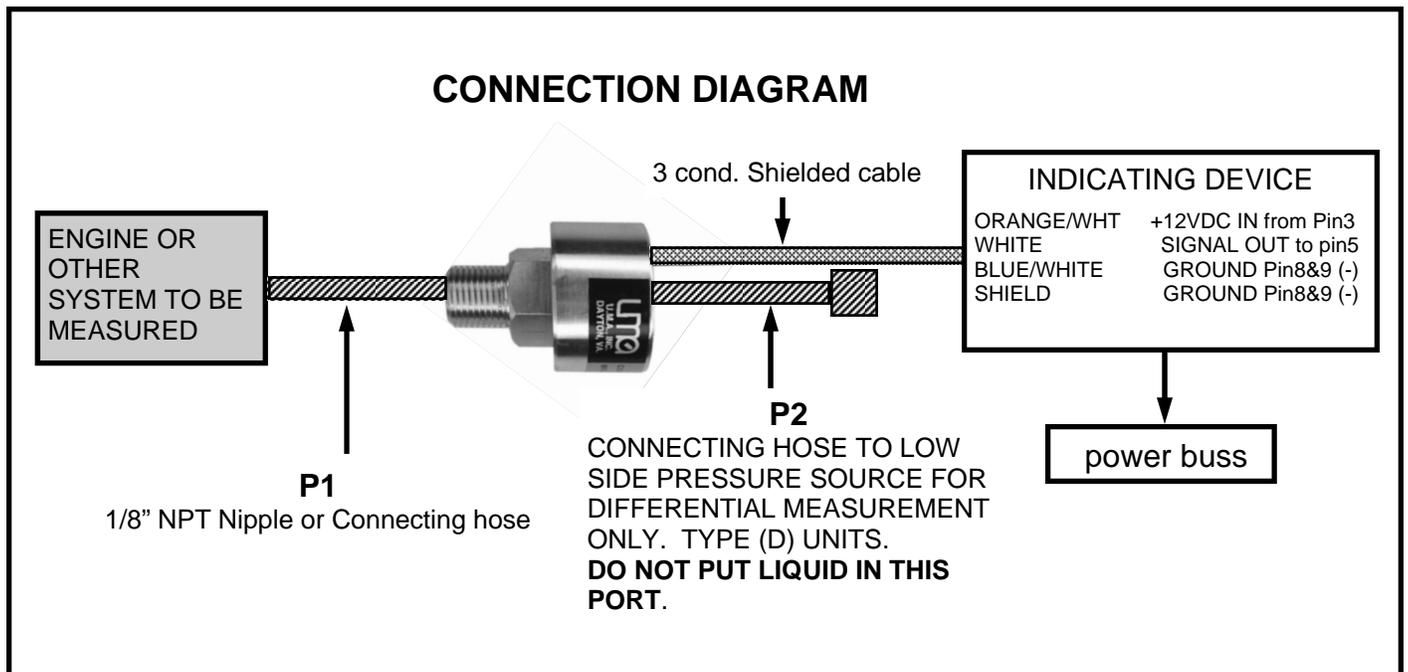
RED — +12VDC FROM INDICATING UNIT, REGULATED

BLACK — GROUND

WHITE — SIGNAL TO INDICATING UNIT

SHIELD—CONNECT TO GROUND AT INDICATING UNIT.

CONNECTION DIAGRAM



SPECIFICATIONS

SUPPLY VOLTAGE	+12VDC REGULATED
OUTPUT	.2 - 4.7VDC (calibration specific to model)
CURRENT DRAW	10 MA.
OPERATING TEMP.	-55°C to 120°C
ACCURACY	±2.5% FULL SCALE
PRESSURE FITTINGS	1/8" NPT FEMALE
MOUNTING THREADS	5/8" X18
PRESSURE LEVEL	P1 GREATER THAN P2
MEDIA COMPATABILITY	P1 LIQUID OR DRY P2 DRY ONLY
LIQUID TYPES	OIL-AVGAS-JETFUEL -WATER AND OTHERS THAT ARE NOT CORROSIVE TO ALUMINUM

MODELS

PART #	RANGE	MAX. PRESSURE
N1EU07x	7 PSI	29 PSI
N1EU35x	35 PSI	145 PSI
N1EU70x	70 PSI	290 PSI
N1EU100x	100 PSI	406 PSI
N1EU150x	150 PSI	580 PSI
N1EU50A	5-59 In. Hg.	236 In. Hg
N1EU70A	5-70 In. Hg.	236 In. Hg.
N1EU07S	14 In. Hg.	60 In Hg.

