

DUAL ENGINE RAW WATER ALARM INSTALLATION INSTRUCTIONS. SENSOR INSTALLATION.

Sensor band will fit exhaust hose in the range of 2" to 7" diameter. For larger diameter exhaust hose, use extension kit for up to 14" diameter. Locate band down stream of water injection just after existing stainless steel hose clamps. Sensor should be mounted as shown in FIGURE TWO.

At sensor, form band around hose with fingers. Band should be square with hose and not on any angle. Tension band until snug and lock in place FIGURE THREE. Use provided nylon wire ties to secure sensor wires to exhaust hose. Sensor band is nylon coated stainless steel with operating temperature of 300 deg F

Insure cable will not snag moving parts such as propeller shaft or belts. Keep cable way from hot exhaust areas before water injection point.

ALARM PANEL MOUNTING.

Drill 1-7/8 TO 2" hole for mounting alarm unit. Do not attempt to remove knurled nut on face plate. Run all wires through protective boot before making any wire connections. Connect 12VDC to any positive supply that is powered while engine is in operation. Note: alarm panel draws no current except when in alarm mode. Positive supply must have common ground (neg ---) with engine.

ALARM WIRING AND TEST

Wire alarm as shown in schematic below. Connect sensor BLACK wire to local ground (Neg ----) at engine. Connect PURPLE wire to horn. To test alarm, remove and save protective caps on BROWN test port wires. With horn powered, short brown wires together. Alarm should sound and LED on front face should light. After test, replace protective caps on BROWN wires.

OPTIONAL REMOTE HORN CONNECTIONS.

A remote horn may also be connected to alarm panel. Remote is useful for flybridge installations. See wire diagram . **Max load should be less than 0.5 Amps at 12VDC**

SPECIFICATIONS:

Operating voltage: 10.5 to 15V DC

Alarm Setpoint (fixed) 75°C (167°F)

Current draw (alarm module only) : 20mA

Max Current load on control wire: 0.5A

Switching function alarm condition: Signal wire goes low at temperature exceeding setpoint.

Sensor Band: Nylon coated stainless steel with fast acting thermal switch. .

Max operating temperature 150°C (300°F)

BOREL MANUFACTURING

PH: 510 864 0237 • E-MAIL: borelmfg @ earthlink.net • WEBSITE: www. borelmfg.com

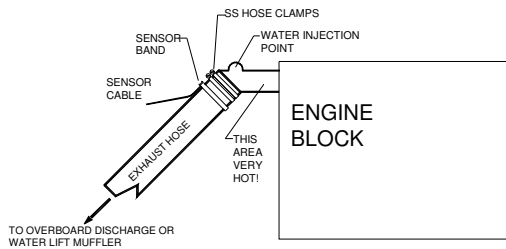


FIGURE ONE
SENSOR INSTALLATION

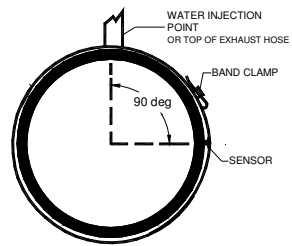
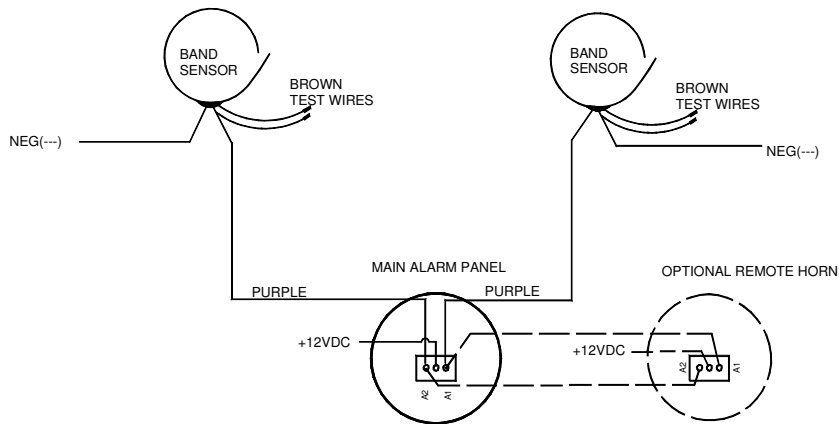


FIGURE TWO
END VIEW OF EXHAUST HOSE



1



2



3

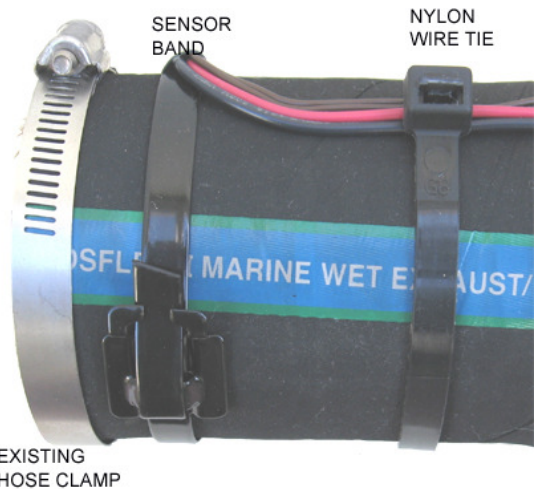


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CUT OFF EXCESS
BANDING

LOCKING BAND CLAMP INSTALLATION
FIGURE THREE



TYPICAL INSTALLATION
See "FIG TWO, End view exhaust hose" for
Sensor location