

DUAL 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 inch 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. Add strain relief loop to wires and secure to exhaust hose using provided nylon wire tie. 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 engines.

ALARM WIRING AND TEST

Wire alarm as shown in schematic below. Use tinned, stranded, marine grade wire for power in and on any sensor extension wires. 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

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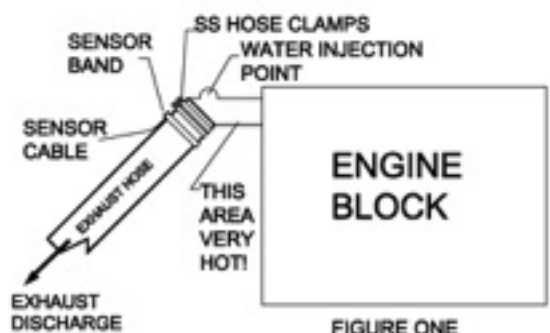


FIGURE ONE
SENSOR INSTALLATION

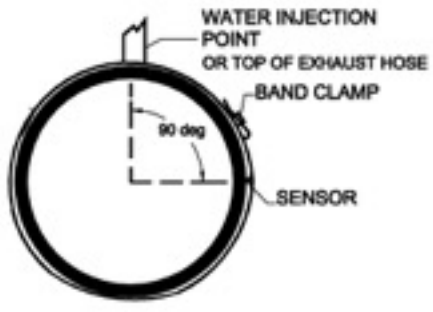
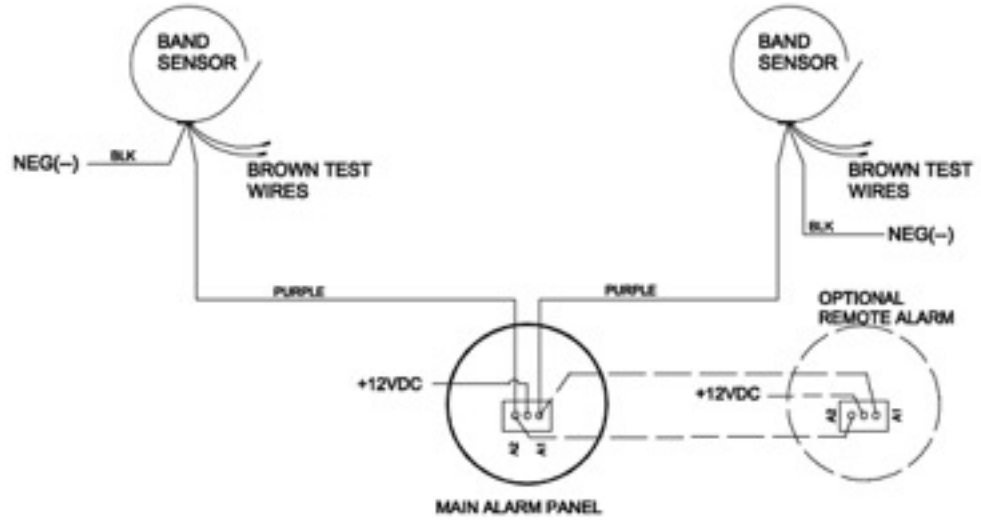
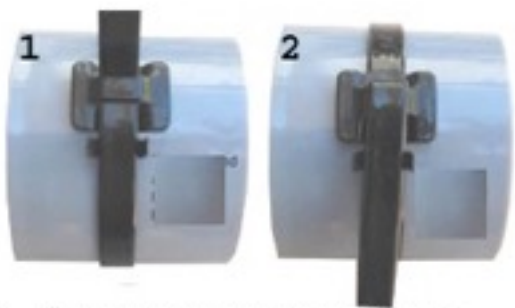


FIGURE TWO
END VIEW OF EXHAUST HOSE

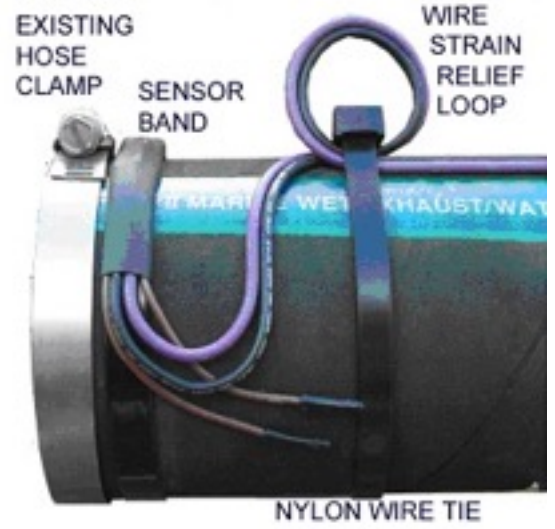


MAIN ALARM PANEL



1. SLIDE BAND THRU BUCKEL, TENSION & BEND OVER
2. BEND LOCKING EARS OVER BAND
3. CUT OFF EXCESS BAND

FIGURE THREE



TYPICAL INSTALLATION
See FIG TWO, End view exhaust hose for sensor locations