



## Ultimate Fuel Sender (Tube Style) Installation Instructions

RA95XX-Series p/n's (XX is unit length) are for square/rectangular tanks  
Example p/n: RA9515-ISS

RA92XX-Series p/n's (XX is tank diameter) are for round tanks  
Example p/n: RA9226-STW

For other special tank types consult factory

Usage is restricted to diesel, vegetable oil, gasoline mediums only with unit connected to a single fuel gauge that utilizes a 12VDC negative ground system voltage. Series -ISS or -STW types are 240 empty to 33 full p/n's, which are capable of 12VDC or 24VDC systems. For other Series type ohm curve p/n's, consult factory. E85, methanol, non-potable water, antifreeze, engine oil and hydraulic oil mediums require a special coating consult factory.

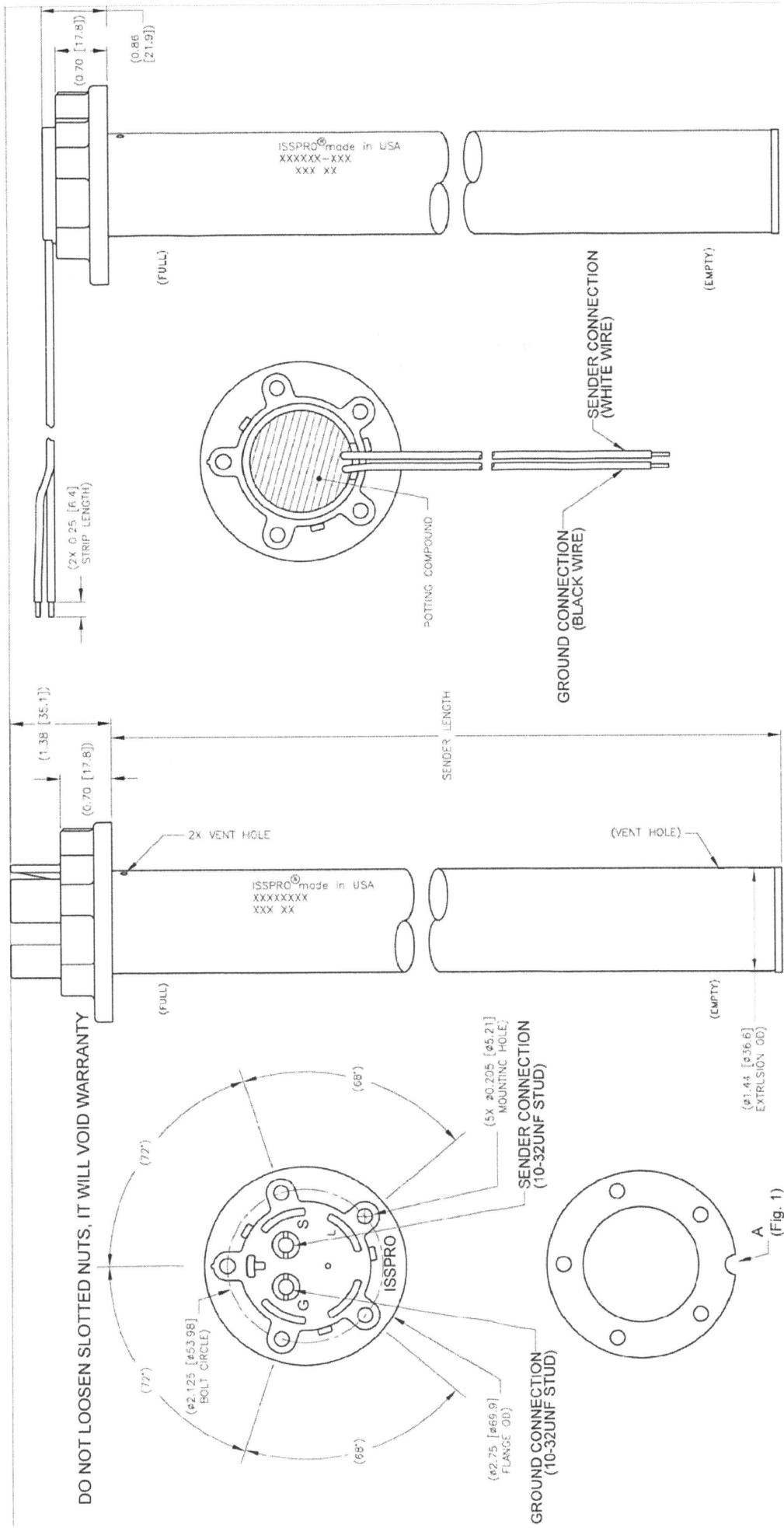
No adjustments can be made to the length or resistances once the unit is built. Standard hookup is two 10-32 studs. Units with two wires and a potted top are for better protection from weather & dust, consult factory.

**CAUTION-** Disconnect negative battery cable lead before making any electrical connections. Use extreme caution by working in a well-ventilated area and keep all hot materials away from work area.

**Disclaimer-** ISSPRO is not liable for unit being hooked up incorrectly; applying 12VDC directly to any connection can damage the unit.

Sending units utilize a SAE 5-hole 2 1/8 bolt pattern, so if no index mark is present, use the gasket to align with tank hole pattern (see figure 1) then align gasket to flange bolt circle by lining up radius cutout on gasket (A) with "ISSPRO" logo on the flange. Connect unit to vehicle wiring and test outside of tank first to ensure proper gauge operation. Turn unit upside down (simulates Full) and then right side up again (simulates Empty) and observe vehicles fuel gauge indications (E to F readings). The unit can now be bolted to the tank hardware included. Mounting screws are to have 15 lb-in recommended torque for a good seal no sealant required.

Form No. IS101 (Rev. D 03.28.19)



**“FOR REF ONLY” Other common ohm curves**

RA9510-AC	0-90 GM
RA9510-OAC	0-30 GM
RA9510-FORD	78-10 Ford
RA9510-FORD	16-158 Ford
RA9510-EURO	10-180 VDO

Senders with the potted top and wires, add “LP” (low profile) after the -AC, -FORD, etc. See above drawing.

Example: RA9510-AC-LP