

# Quickstart Guide

## SmartIR Infrared Sensor



P/N 10-0247-3W Stainless Steel Sensor Head  
 P/N 10-905x SmartIR Smart Sensor Module

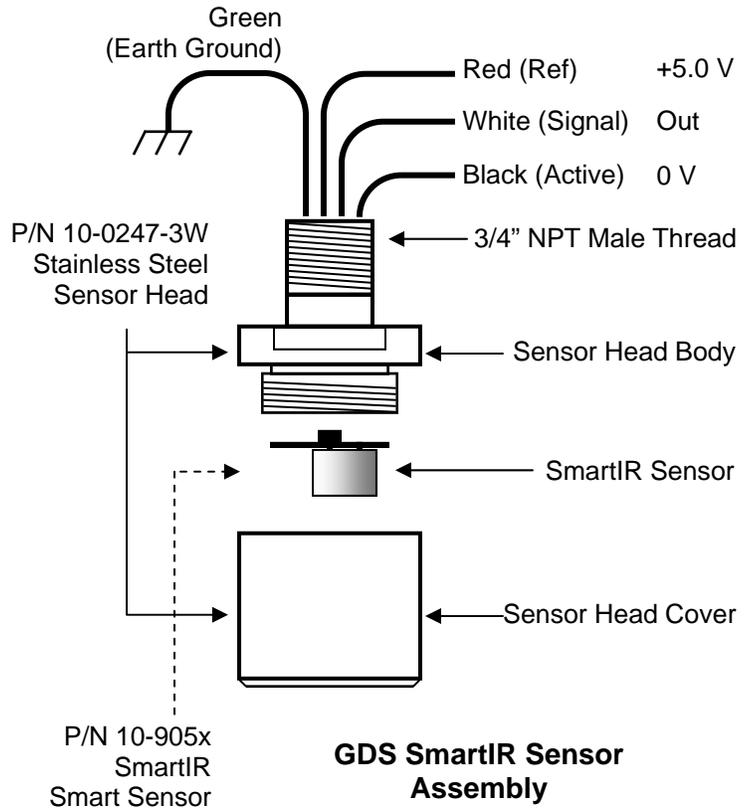
**CAUTION:** SmartIR sensors must be balanced and calibrated after installation. Refer to the instruction manuals for the specific controllers involved. Periodic calibration is required to maintain rated accuracy.

Sensors must be installed in accordance with distance limitations published in the individual controller manuals.

Sensors are designed to be mounted vertically as shown, supported by the 3/4" NPT thread. Mounting in any other orientation may lead to sensor failure or incorrect readings. Alteration of the assembly may compromise the explosion-proof nature of the assembly.

Do not paint the sensor assembly.

Unless protected with a P/N10-0198 Splash Guard, protect the sensor assembly from dripping liquids or high power sprays.



### FOR REPLACEMENT PARTS, ORDER GDS PART NUMBER:

10-0247-3W	Stainless Steel Sensor Head
10-9050	SmartIR 0-100% LEL Methane Sensor Module
10-9051	SmartIR 0-100% LEL Propane Sensor Module
10-9052	SmartIR 0-100% by Volume Methane Sensor Module
10-9053	SmartIR 0-5% by Volume CO <sub>2</sub> Sensor Module
10-0198	Sensor Splash Guard with Remote Cal Port
10-0203	Sensor Calibration Cup
10-0205	Sensor Flow Cell for Process Applications
10-0187	Sensor Replacement Tool Kit
10-0193	Remote Sensor Head Junction Box

**CAUTION!**

**Normal sensor excitation voltage is 3.0 - 5.0 volts.**

**Never exceed 6.0 volts across sensor input at any time with sensor in place.**

**Consult GDS-48 or GASMAX manual for detailed instructions**

**Voltage in excess of 6.0 volts may destroy the sensor.**

**IMPORTANT  
DO NOT DISCARD**



**SENSOR  
INSTALLATION NOTES**