Quickstart Guide

GASMAX II Gas Monitor with Remote SmartIR Combustible Gas Sensor

INSTALLATION

IMPORTANT - Before installing the GASMAX II, make sure no toxic or combustible gases are present. Declassify the area if necessary.

Air movement by fans, wind, gas density, convection, emission sources and environmental variables should be taken into account when determining location. As with all sensors, the GASMAX II should be protected from falling or directed water, snow, shock, vibration and dirt.

Use installation practices approved for the appropriate area classification. When installed with #10-0247 Stainless Steel sensor head, the GASMAX II is certified for use in areas rated Class 1, Div 1, Groups B, C & D.

WIRING & INITIAL SETUP

Access the GASMAX II display assembly by opening the explosion-proof cover and loosening the two thumbscrews. The power supply board is attached to the rear of the enclosure.
Connect the GASMAX and remote sensor as shown using shielded cable. Ground the shield on one end only. Reinstall the GASMAX II display and cover.

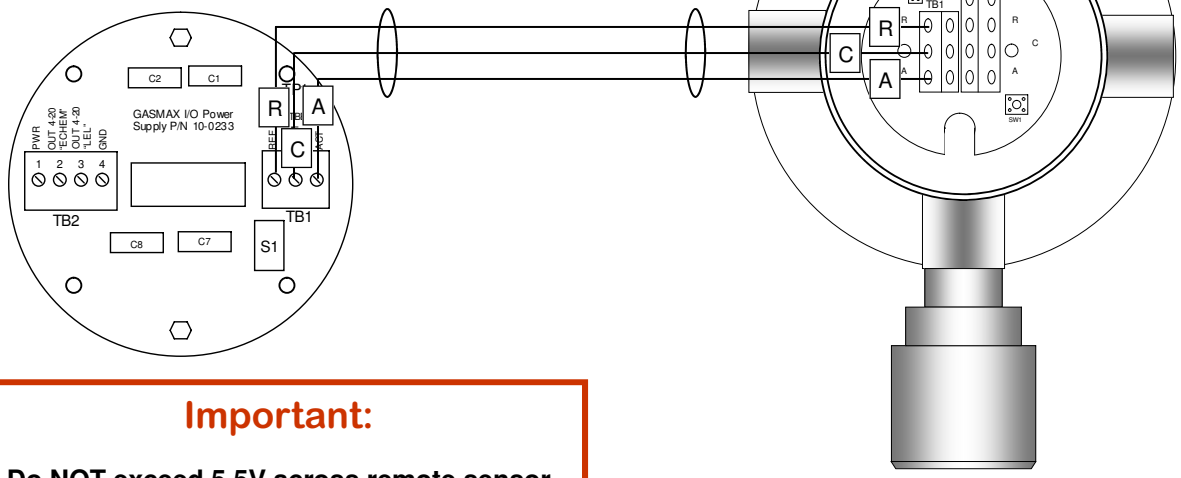
Apply power and allow the instrument to warm up for a minimum of one (1) hour. Readjust the sensor voltage to 4.5VDC *as measured at the sensor junction box* across pins “R” and “A”.

Perform a balance adjustment as described in the GASMAX manual.

CALIBRATION

After warm-up, follow the on-screen instructions to calibrate the unit. When calibration is complete, the GASMAX II will indicate CAL DELAY and then resume normal operation.

GASMAX II Power Supply Board

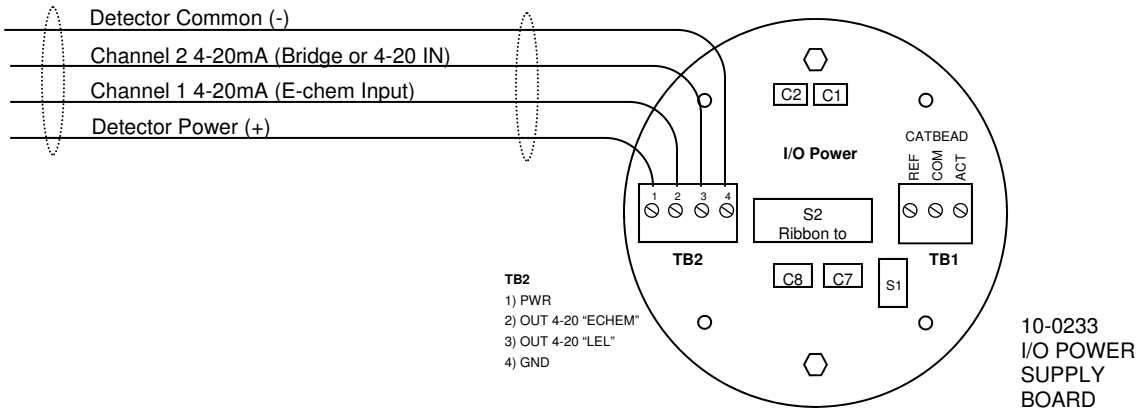


Remote SmartIR Sensor Assembly

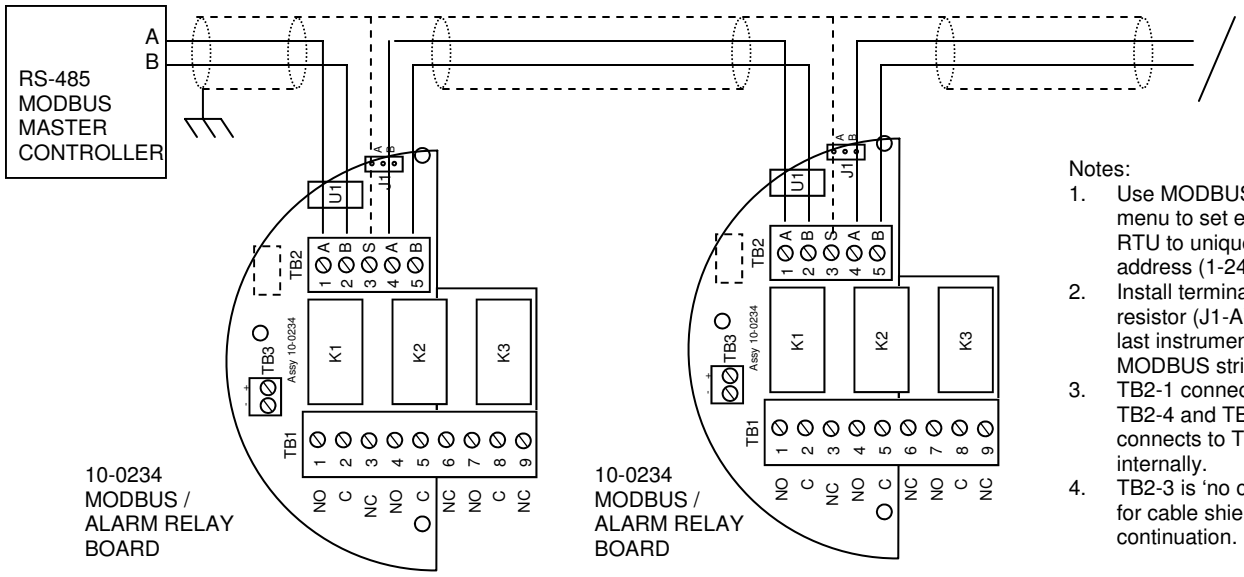
Important:

Do NOT exceed 5.5V across remote sensor terminals R & A with the sensor in place. If moisture is present, do not install remote sensor with unused inlet facing up.

GASMAX II 4-20mA WIRING DIAGRAM



GASMAX II MODBUS® INTERFACE WIRING DIAGRAM



Notes:

1. Use MODBUS setup menu to set each RTU to unique address (1-247)
2. Install terminating resistor (J1-A) only on last instrument in MODBUS string.
3. TB2-1 connects to TB2-4 and TB2-2 connects to TB2-5 internally.
4. TB2-3 is 'no connect' for cable shield continuation.

GASMAX II ISOLATED 4-20mA WIRING DIAGRAM