



Sensor Module Replacement

Overview

The sensor's useful lifetime depends greatly upon its operating conditions. Continuous operation around large or numerous gas sources may shorten the sensor's useful life. A recommended recalibration date is recorded on the front panel label of each transmitter. If at any point in time the sensor fails to respond in a timely manner or fails to calibrate within acceptable tolerances, replace the sensor immediately. Brasch recommends a response time to 90% of under 50 seconds and an accuracy of $\pm 10\%$.

This document outlines the procedure for replacing all Brasch Generation 2 sensor modules including:

Sensor Module	Gas Detected
MOD-CM	Carbon Monoxide (CO)
MOD-ND	Nitrogen Dioxide (NO ₂)
MOD-ME	Methane (CH ₄)
MOD-PR	Propane (C ₃ H ₈)
MOD-HY	Hydrogen (H ₂)
MOD-OX	Oxygen (O ₂)

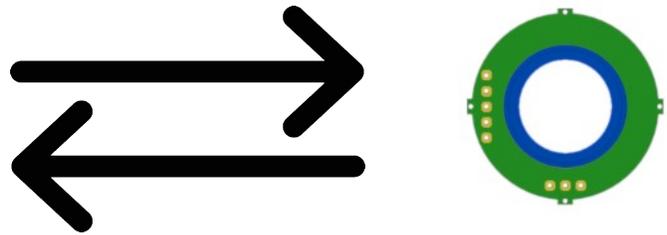
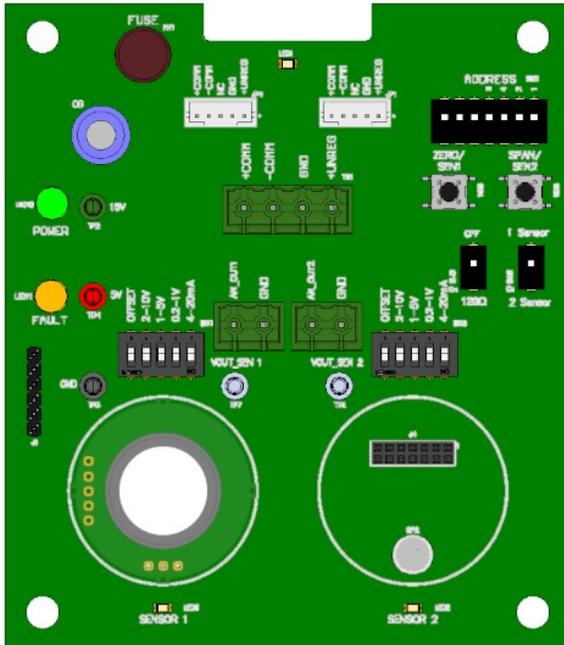
Required:

- #1 Phillips Screwdriver
- Replacement Sensor Module

Procedure:

1. Remove the two retaining screws and carefully open the cover.
2. Unplug the sensor module to be replaced and set it aside.
3. Align the pins of the new sensor module with the headers of the sensor board.
 - a) Ensure the module is oriented to remain inside the silkscreen circle.

4. Gently press the module into the board until it is fully seated.
 - a) Do not press down on the white filter as damage could occur.
5. Check for proper operation.
6. Close the cover and firmly tighten the two cover retaining screws.
7. Discard the old sensor module.



Troubleshooting:

- If any of the following errors are present, the sensor module is not properly installed.
 - Standalone Detectors: 9996
 - Remote Transmitters (Modbus): 0x0004
 - Control Panels: Sensor # Sensor Missing



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