



Replacement Board Instructions

Revision A-G to Revision H

Overview

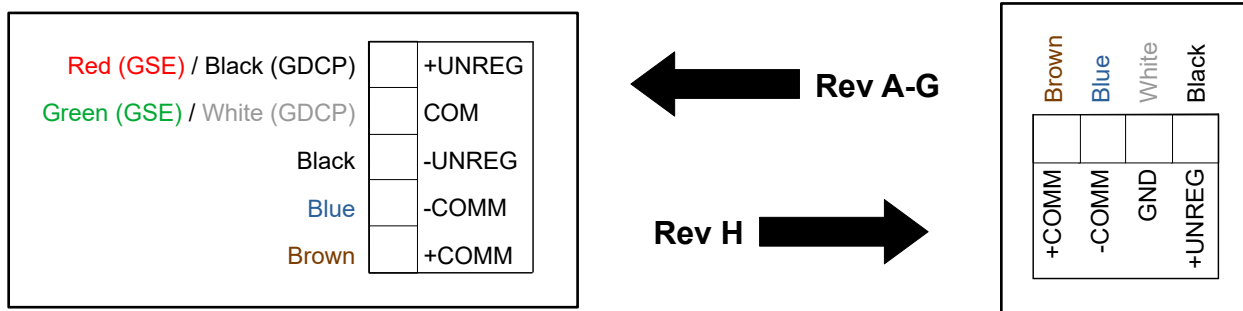
This document outlines the procedure for replacing Brasch Generation 2 sensor boards. While the different revisions are visually distinct, they will function identically. Rev H boards may be used in conjunction with and/or in place of Rev A-G boards.

Wiring Harness

Revision A-G boards come with wiring harnesses for connection to a GDPCP-Touch or GSE Generation 2 Standalone Detector. These harnesses are comprised of five conductors: +UNREG, COM/GND, -UNREG, +COMM, and -COMM. Revision H boards can use these same wiring harnesses but do not use the -UNREG. Connect harnesses the same way on Rev H as Rev A-G. Rev A-G boards have a single connection at JP1. Rev H boards have two connections at JP1 and JP4; these are in parallel so either connector is acceptable. For GDPCP-XX-Remotes, a short wire will be present in the center position (-UNREG). This wire should be removed or cut as it is no longer necessary. Do not leave loose or exposed wires connected.

Terminal Blocks

Revision A-G boards have two, five-position terminal blocks for parallel connection with the wire harness. Revision H boards omit the center terminal (-UNREG) as it is no longer necessary. Connect all wires from Rev A-G boards to the same terminals on Rev H boards. If any wires are present in the -UNREG terminal, these wires can be removed, cut, or capped. Both TS1 and TS2 on Rev A-G boards are in parallel. Any wires should be combined when moved to the single, removable terminal block at TS1 on Rev H boards.



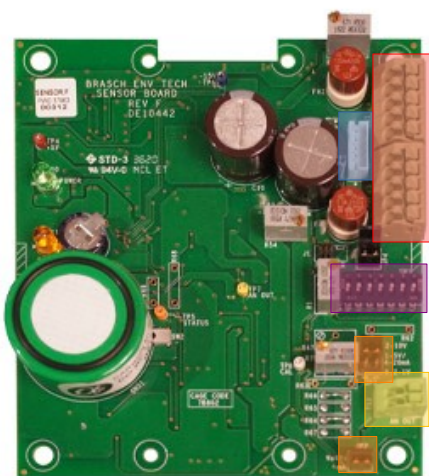
Analog Outputs

Revision A-G boards have a single analog output at TS3. This output is configured using the jumpers on JP2 and JP3. These AN_OUT and AN_GND terminals are identical to the AN_OUT and GND terminals on TS3 of the Revision H boards. The output of the Rev H board may be configured using SW7. If combining two Rev A-G sensor boards into a single Rev H sensor board, the second analog output can be landed at TS4 and adjusted using SW6.

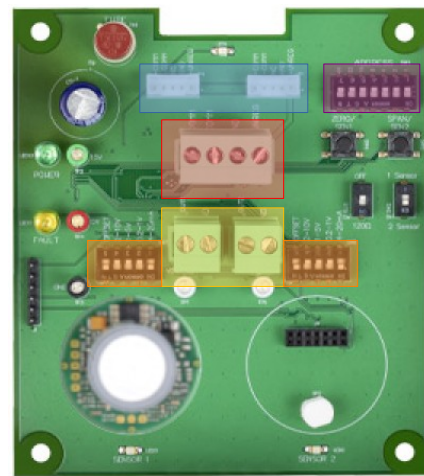
Addressing

Both Rev A-G and Rev H boards use a seven-position DIP switch at SW1 to set the address. The address should be copied from the Rev A-G board to the Rev H board during replacement. If combining two Rev A-G sensor boards into a single Rev H sensor board, the address of the second sensor will be computed automatically when SW2 is set for “2 Sensor” mode.

Rev A-G



Rev H



Legend		
JP1	Wiring Harness	JP1/JP4
TS1/TS2	Terminal Blocks	TS1
TS3	Analog Outputs	TS3/TS4
JP2/JP3	Analog Output Settings	SW6/SW7
SW1	Addressing	SW1