

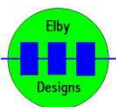


CGS762 Slope Detector

Construction Guide

Revision 1.1

May 1, 2020



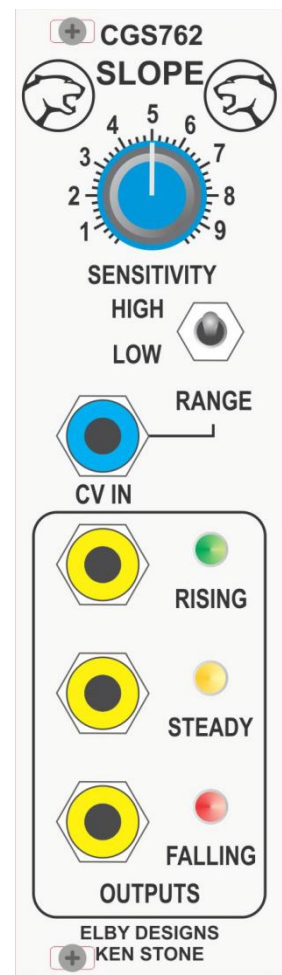
CGS762 Slope Detector

Construction of the [CGS762](#) requires the assembly of 1 board-

Main Board - CGS762 PCB ([3D Model](#))

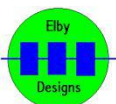
Constructors should refer to the [PCB Overlay](#) for any specific comments regarding the board assemblies, the [Bill of Materials](#) for the current value of all components and [General Construction Notes](#) for general PCB assembly guidelines.

1. Assemble the Carrier Board assemblies ([3D Model](#))
2. Fit all components to the boards following normal assembly guidelines except for the switch sub-assembly and the LEDs
3. Slide the switch sub-assembly on to the header – but do not solder it,
4. Offer the assembly up to the front panel and use the relevant nuts to hold the assembly in place. When tightening the nut on the switch, try to keep the board parallel to the main board.
5. Solder the Carrier Board – this can be done from the top side as the holes are plated.
6. Prepare the 3x LEDs as per the [General Construction Notes](#)
7. Mount the 3x LEDs in to their respective locations on the front panel
8. Feed their leads in to their respective locations on the pcb
9. Flip the assembly over and solder the LEDs in to place.



Calibration

The CGS762 does not require any calibration and should work as soon as power is applied.



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