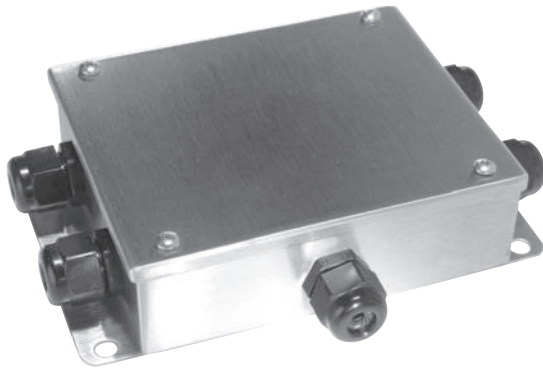
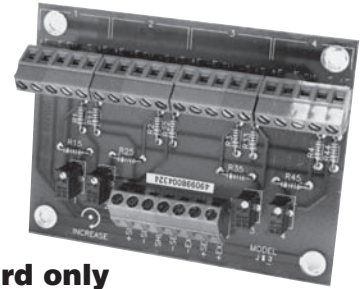


# SUMMING BOX



**GS-JB-4-SS**



**GS-SC card only**



**GS-JB-4-FRP**

## Corrosion resistant compact summing junction boxes.

- ✓ **Superior corrosion resistance.**
- ✓ **Stainless Steel or fiberglass reinforced plastic housing.**
- ✓ **Reliable - Durable - Precise.**
- ✓ **5 nylon strain reliefs are included for load cell & cables.**



**Totalcomp**<sup>®</sup> Scales & Components

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# SPECIFICATIONS

## SUMMING JUNCTION BOXES. General Sensor compact summing junction boxes.

Totalcomp's extremely small junction boxes with signal trim for 4 load cells. One multiturn potentiometer per load cell that shunts the output and two series output isolation resistors that limit zero interaction. Screw terminals simplify wire connection. Accepts wire size 26 to 14 AWF. Five nylon strain reliefs are included for load cells & instrument cables. Both boxes are NEMA 4X and gasketed for corrosion resistance. The GS-JB-4-SS is made of stainless steel and the GS-JB-FRP is made of fiberglass reinforced plastic. The small size of these boxes make them a good replacement for low profile warehouse scales. In many cases the box will fit under the platform 7" x 4.625" x 1.75" h.

### Summing/Junction PC cards

**All resistors**  
Metal Film type  
**Wattage**  
1/4 watt

**Tolerance**  
+/- 1%  
**Temperature Coefficient**  
+/- 50 ppm per degree C

**Temperature Range**  
- 55 C to + 125 degrees C

All trimming potentiometers are 25-turn, environmentally sealed, cermet element type.

**Wattage**  
0.5 watt at + 70 degrees C  
**Tolerance**  
+/- 10%

**Temperature Coefficient**  
+/- 100 ppm per degree C  
**Temperature Range**  
- 55 C to + 125 degrees C

Terminal Blocks are screw-type cage clamp design rated at 300v 10 amps. All PCBs are coated with transparent conformal coating. Cured coatings are hydrolytically stable and retain physical and electrical properties during and after high temperature humidity exposure.

- Meets mil-1-460580 type SR
- Dielectric strength 1100 volts/mil
- Withstand severe environmental stress
- Mold and fungus-resistance
- UV detectable for QC inspection
- UL listed

### GS- SC Load Cell Summing Card

This summing card measures 3 x 4". It has four 5-position terminal strips for load cell inputs and one 7-position terminal strip with internally jumped sense terminals for output to the instrument. Terminal strips are lever-type design.

### Calibration

After wiring is complete and the scale instrument is on, turn each of the four trim pots fully clockwise to obtain the highest output from each load cell. Check the scale for repeatability and correct any mechanical problems.

#### I. Shift adjustment:

- Place a test weight over each of the load cells and record the lowest reading and its location. This reading will be used as your target weight.
- Place the test weight over each of the other load cells and adjust the corresponding trim pot to match the target weight.
- Place the test weight over the cell located in step (a). Record this weight as the new target and repeat steps (b & c) until all cells are matched to within the desired tolerance.

#### II. Span Adjustment

- Calibrate the digital weight indicator using the instrument calibration instructions supplied by the manufacturer.

#### TOTALCOMP LIMITED WARRANTY

Totalcomp warrants this product to be free of defects in materials and/or workmanship and suitable for the purpose(s) intended as outlined on this sheet. This warranty is effective and shall cover the purchaser for one year from the date of shipment from our plant. If this product is found to be defective by our inspection in accordance with the above listed criteria, we will replace or repair it at our expense. For warranty service, please obtain a return authorization number from us and return the item, shipping prepaid, with a written description of the problem. We will respond promptly with the results of our evaluation.



# Totalcomp®

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