



# MODEL SJB-4

## Summing Junction Box

### SPECIFICATIONS

The SJB-4 Summing Junction Box is 3" wide x 4" long. It has four 5-position terminal strips for load cell input and one 7-position terminal strip with internally jumped sense terminals for output to the instrument. The board will sum 2 to 4 load cells. Trimming of signal output is accomplished with four 25-turn trim pots. The board can be mounted with the four 11/64" mounting holes provided, with spacing of 2 1/2" x 3 1/2" on center.

### OPTIONS

Lever-Operated Cage-Clamp Spring Terminal Strips

### LOAD CELL COLOR CODES

WIRING FOR SUMMING JUNCTION BOX					
TYPE	SHLD	+EX	-EX	+SIG	-SIG
Beowulf	SHLD	GREEN	BLACK	WHITE	RED
BLH	SHLD	GREEN	BLACK	WHITE	RED
Cardinal	SHLD	GREEN	BLACK	WHITE	RED
Electroscale	SHLD	RED	BLACK	GREEN	WHITE
HBM	SHLD	GREEN	BLACK	WHITE	RED
Interface	SHLD	RED	BLACK	GREEN	WHITE
National	SHLD	GREEN	BLACK	WHITE	RED
NCI	SHLD	RED & YEL	BLK & BLU	WHITE	GREEN
Revere	SHLD	GREEN	BLACK	WHITE	RED
Sensortronics	SHLD	RED	BLACK	GREEN	WHITE
Tedea	SHLD	GRN & BLU	BLK & BRN	RED	WHITE
Toledo	SHLD	GREEN	BLACK	WHITE	RED
Transducer	SHLD	RED	BLACK	GREEN	WHITE

### CALIBRATION

After all wiring is complete and the scale instrument is powered up, turn each of the four trim pots fully clockwise to obtain the highest possible output from each load cell. Before proceeding with the following adjustments, check the scale for repeatability and correct any 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 if necessary, 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 weight and repeat steps B & C until all cells are matched to within the desired tolerance.

#### II. SPAN ADJUSTMENT

- Calibrate the scale using the instrument calibration instructions supplied by its manufacturer.

### BOARD LAYOUT

