JB4SS TuffSeal® Signal Trim Junction Box

As of: Monday, April 6, 2026



Standard Features

- Stainless steel, NEMA Type 4X enclosure
- Jumpers to enable/disable a load cell
- PreVent™ breather vent
- Conformal coated circuit board
- Connect two, three or four single cells
- Expansion port

Applications

- Floor, tank, hopper scales

Approvals

WARNING: Cancer and Reproductive Harm California Proposition 65

The JB4SS TuffSeal® signal trim junction box sums two or four single load cell outputs with the potential to expand and connect other junction boxes. The stainless steel NEMA Type 4X enclosure is proven protection in harsh environments and against abrasive materials. The JB4SS TuffSeal signal trim junction box is ideal for use in tank and hopper scale applications.

JB4SS TuffSeal Signal Trim Junction Box Specifications

Cable Fittings:
P/N 88956:
(4) PG7 0.118 to 0.255 in strain relief
(2) PG11 0.197 to 0.394 in strain relief
P/N 107700:
(4) PG9 0.138 to 0.315 in strain relief
(2) PG11 0.197 to 0.394 in strain relief

Rating/Material:
NEMA Type 4X
Stainless steel

Connectors:
Spring clamp screwless, 12 to 28 AWG

Trimming:
Individual cell, signal trim

Temperature:
Operating:
0 °F to 122 °F (-18 °C to 50 °C)

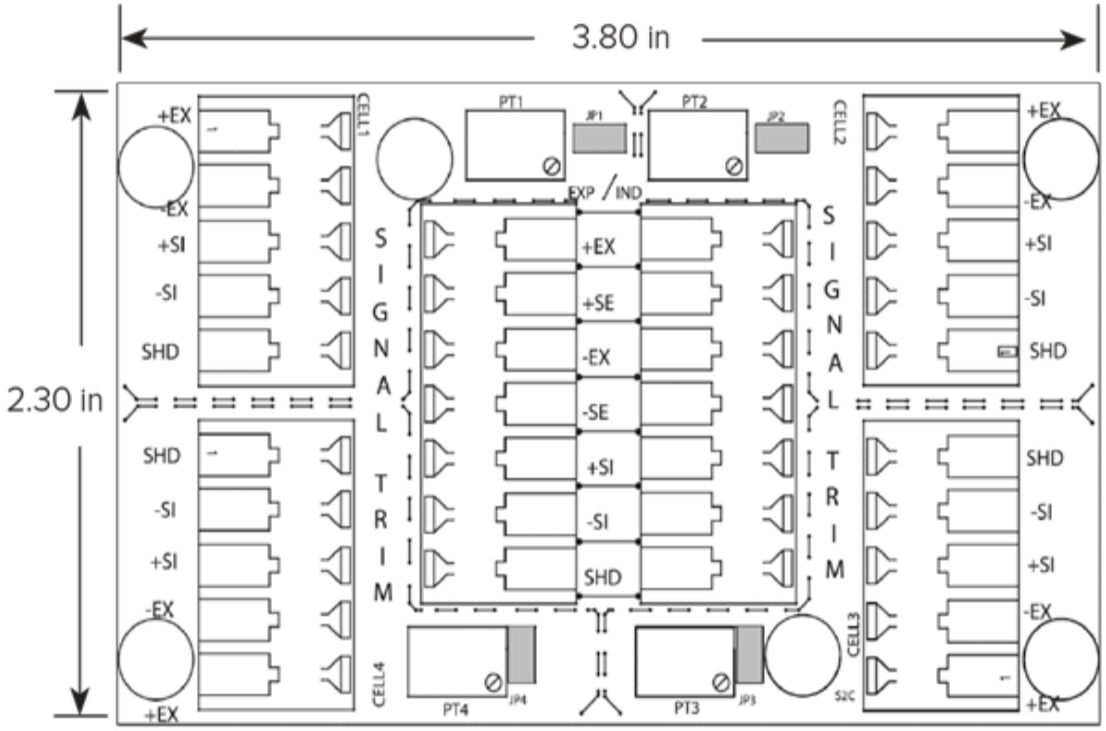
Potentiometers:
100,000 ohm, 25-turn cermet

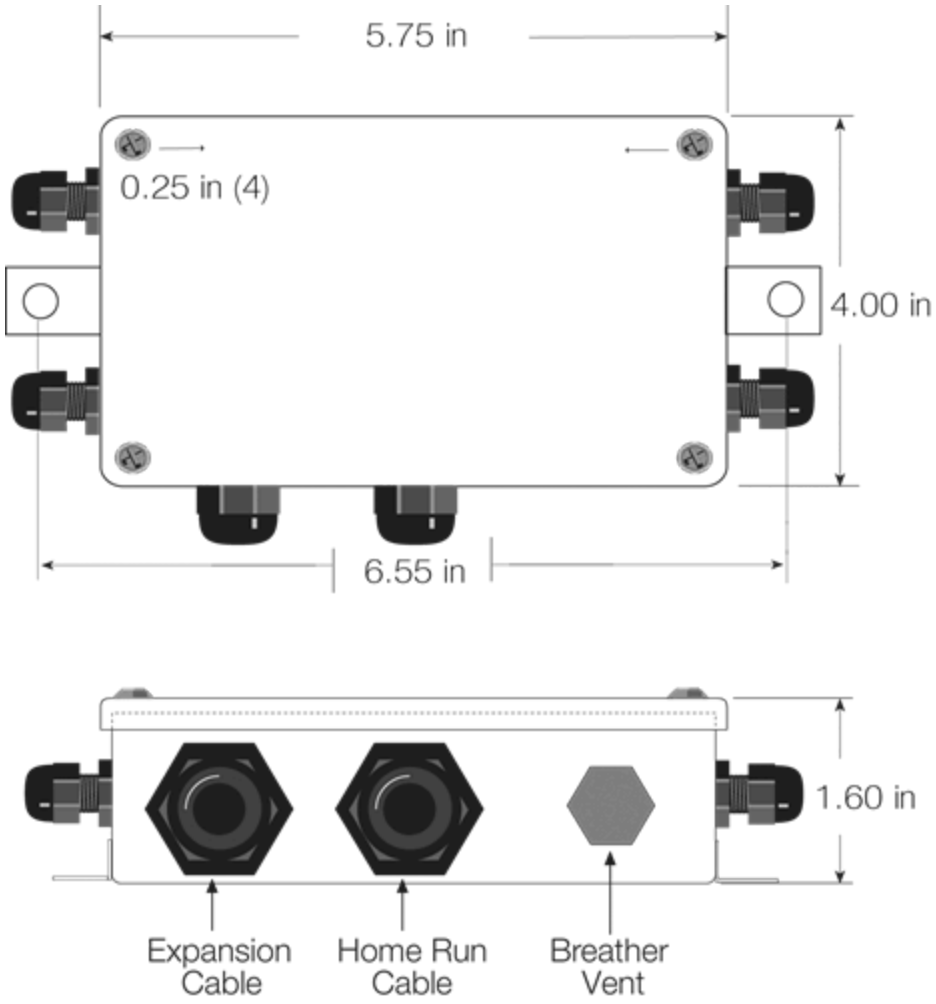
Circuit Board:
3.8 × 2.3 in, with conformal coating

Warranty:
One-year limited

Approvals:
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JB4SS TuffSeal Signal Trim Junction Box Dimensions




5.75 in
0.25 in (4)
4.00 in
6.55 in
1.60 in
Expansion Cable
Home Run Cable
Breather Vent

Replacement Junction Boxes, Boards or Components Table

Model	Complete J-Box Replacement	Replacement Board Only	Replacement Cord Grips	Replacement Pressure & Condensation Vent	Desiccant Packs
JB4SS	88956	88958	58983=PG7 59001=PG11	88733 PreVent™ breather (vent) 88734 (vent nut)	92240
JB4ES	91779	89446	58983=PG7 59001=PG11	88733 PreVent™ breather (vent) 88734 (vent nut)	92240
JB4SP JB4SPT	91780 92762	88958 89894	58983=PG7 59001=PG11	88733 PreVent™ breather (vent) 88734 (vent nut)	16039
JB4EP JB4EPT	91781 92763	89446 89894	58983=PG7 59001=PG11	88733 PreVent™ breather (vent) 88734 (vent nut)	16039
EL204	73428	88958	N/A	N/A	N/A
JB8SP	91782 173807 - FM Approved	89889 172415 - FM Approved	15655 (cord grip) 15656 (nut)=3/8" NPT 15628 (cord grip) 15630 (nut)=1/2" SPT	88733 PreVent™ breather (vent) 88734 (vent nut)	16039
JB8SPT	91783	89889 (load cell) 89894 (transient protection)	15655 (cord grip) 15656 (nut)=3/8" NPT 15628 (cord grip) 15630 (nut)=1/2" SPT	88733 PreVent™ breather (vent) 88734 (vent nut)	16039
EL304A	21169	21301	N/A	N/A	N/A

JB1010	36231	36351	N/A	N/A	N/A
JB1010ST	68813	68811	N/A	N/A	N/A
EL210	91781, JB4EP*	92472	58983=PG7 59001=PG11	N/A	N/A
EL211A	91780, JB4SP* (The board does not have section trim capabilities)	92473 (The board does not have section trim capabilities)	58983=PG7 59001=PG11	N/A	N/A
EL604-AL	88956, JB4SS*	88958	58983=PG7 59001=PG11	N/A	N/A
EL604STA	88956, JB4SS*	88958	58983=PG7 59001=PG11	N/A	N/A
EL604ETA	91779, JB4ES*	89446	58983=PG7 59001=PG11	N/A	N/A
EL504	21165	21296	N/A	N/A	N/A
JB808S	91782, JB8SP*	92471	15655 (cord grip) 15656 (nut)=3/8" NPT 15628 (cord grip) 15630 (nut)=1/2" SPT	N/A	N/A
JB818ST	91783, JB8SPT*	Need (1) 77445, (1) 89889, (1) 89894	15655 (cord grip) 15656 (nut)=3/8" NPT 15628 (cord grip) 15630 (nut)=1/2" SPT	N/A	N/A

*See catalog page for enclosure dimensions

Parts

Part #	Description
88956	J-Box,JB4SS 4 Channel Signal Trim with Expansion, w/PG 7 cord grips for load cells, Stainless Steel Nema 4X FM Approved
107700	J-Box,JB4SS 4 Channel Signal Trim with Expansion, w/PG9 cord grips for load cells, Stainless Steel Nema 4X FM Approved
88958	Board,4 Channel ST Signal Trim w/Expansion FM
182990	Board Kit,JB4SS w/stndoff Signal Trim W/Expansion.
165271	Enclosure,JB4SS/ES Only JB4SS/ES Junction Box Enclosure W/Cord Grips & Filter. Includes Cover and Gasket.

