

# JB8SP TuffSeal® Signal Trim Junction Box

**RICE LAKE**  
WEIGHING SYSTEMS

As of: Thursday, October 31, 2024



## Standard Features

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- Polycarbonate, NEMA Type 4X enclosure
- PreVent™ breather vent
- Conformal coated circuit board
- Removable load cell connectors
- Section and individual cell trim capability
- Number of cells: two, four, six or eight single load cells (even number of cells only)
- Expansion port

### Applications

- Truck, livestock and railroad scales

## Approvals



WARNING:  
Cancer and  
Reproductive  
Harm California  
Proposition 65

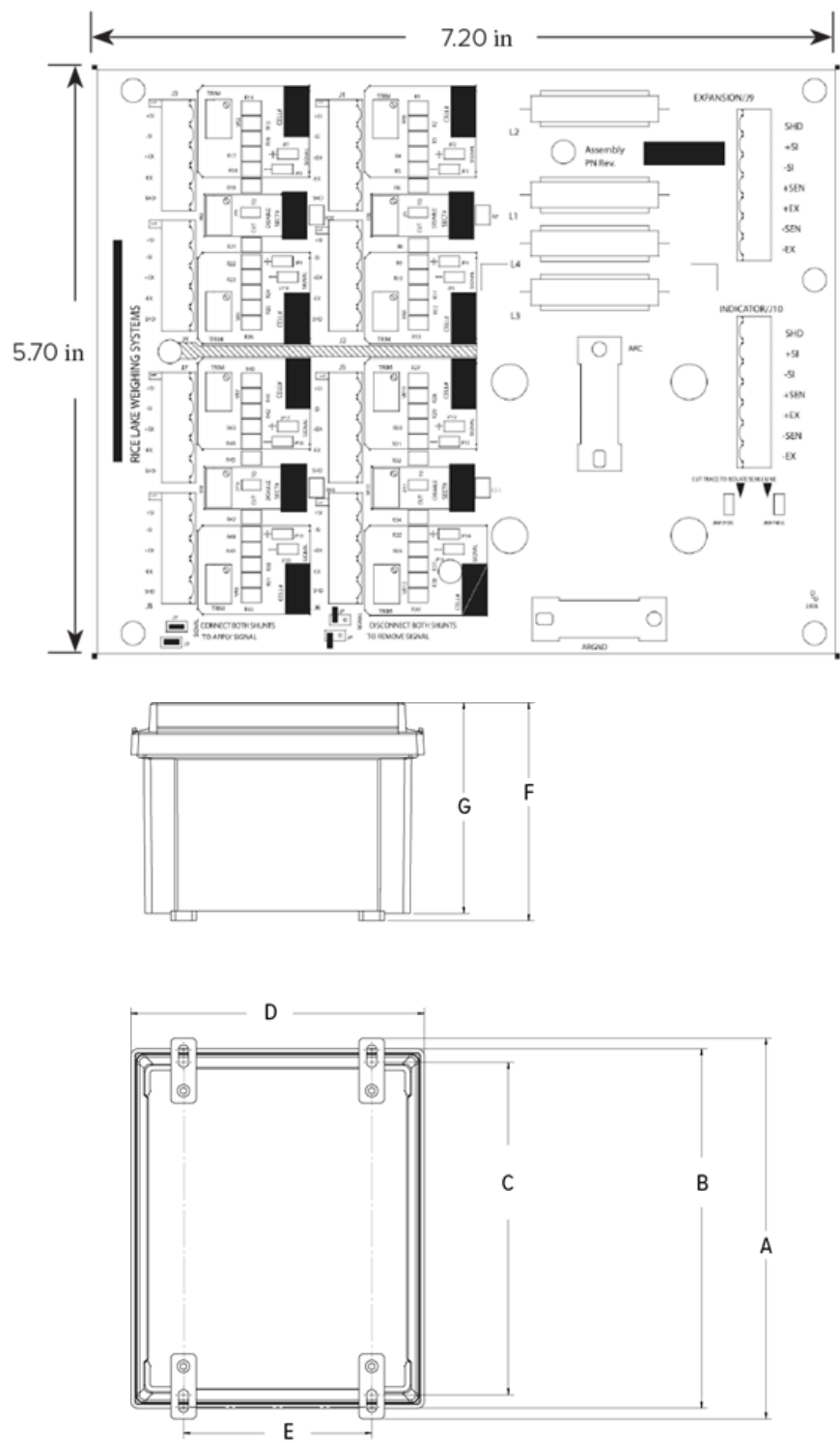
Ideal for use with truck, livestock and railroad scales, the JB8SP TuffSeal<sup>®</sup> signal trim junction box effectively seals in sensitive circuitry and resists potentially damaging elements. Conjoining up to eight load cells in one unit, the JB8SP TuffSeal junction box also includes an expansion port if needed. For convenience, this junction box has both section and individual cell signal trim capability.

## JB8SP TuffSeal Signal Trim Junction Box Specifications

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<b>Cable Fittings:</b> (9) 3/8 in NPT 0.157 to 0.314 in (2) 1/2 in NPT 0.272 to 0.472 in	<b>Connectors:</b> Pluggable screw type, 12 to 28 AWG	<b>Potentiometers:</b> 100,000 ohm, 25 turn cermet
<b>Rating/Material:</b> NEMA Type 4X Polycarbonate with overlapping solid cover, stainless steel screws	<b>Trimming:</b> Individual cell, range trim	<b>Circuit Board:</b> 5.7 × 7.2 in with conformal coating
	<b>Temperature:</b> Operating: 0 °F to 122 °F (-18 °C to 50 °C)	<b>Warranty:</b> One-year limited
		<b>Approvals:</b> cFMus

# JB8SP TuffSeal Signal Trim Junction Box Dimensions



Enclosure					
A	12.13 in	E	9.32 in		
B	11.45 in	F	5.98 in		
C	11.38 in	G	6.95 in		
D	10.59 in				

## 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

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Part #	Description
91782	J-Box,JB8SP 8 Channel Signal Trim with Expansion, Polycarbonite Nema 4 FM
173807	J-Box,JB8SP-FM 8 Channel Signal Trim with Expansion FM Approved Polycarbonite Nema 4
89889	Board,8 Channel ST Signal Trim And Section Trim w/Expansion
172415	Board only, JB8SP-FM 8 Channel Signal and Sectional Trim with Expansion FM Approved
165273	Enclosure,JB8SP/SPT Only JB8SP/SPT Junction Box Enclosure W/O Cord Grips and filter. Incl Back plate, cover and gasket.

## Options

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Part #	Description
92734	Assembly,Coupling & Cap Bonded, 1/2 in NPT Grip Cap To 92574 Coupling
92735	Assembly,Coupling & Cap Bonded, 3/8in NPT Cap To Coupling 92575
215178	Mounting Feet, New Style Mounting feet for new style JB4SP,JB4SPT,JB4EP,JB4EPT,JB8SP JB8SPT AND IQUBE enclosures. Set of 4 and includes 10-32 screws

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