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JB10QIP69K | EQUALIZATION BOX

Quick start guide

INTRODUCTION

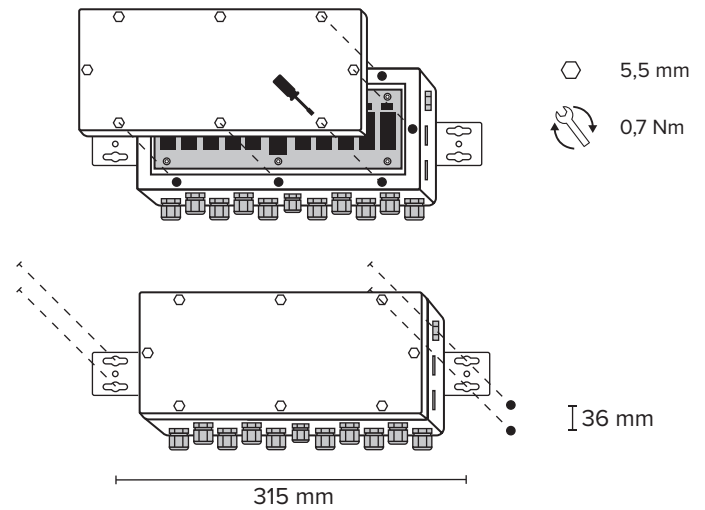
The purpose of this guide is to familiarize the user with the installation and equalization procedure of the JB10QIP69K. We recommend that you follow the instructions carefully. Actions not indicated in this manual, can compromise the proper functioning of the equipment.

TECHNICAL FEATURES

- Max input voltage: 24 V
- Max input current: 700 mA
- Max input load cell signal: 1000 mV
- Temperature effect: 50 ppm/°C
- Protection rating: IP68 - IP69K
- Dimensions: 221 x 105 x 39 mm (l x w x h)
- AISI 304 / AISI 316 Stainless steel, silicone gasket
- Removable terminals
- Anti-condensation valve

ASSEMBLY

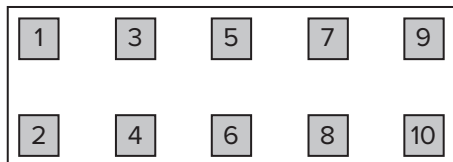
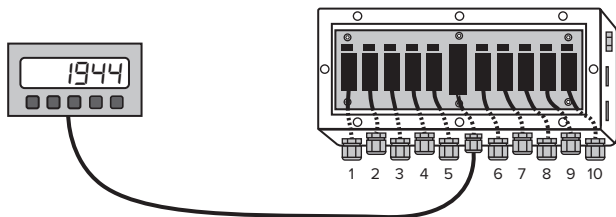
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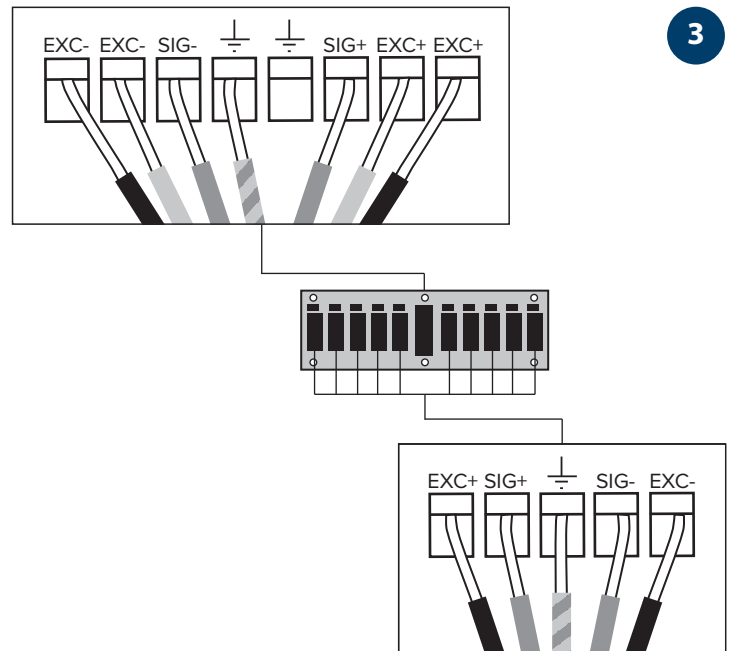
To ensure the IP rating use only cable glands and O-rings from Dini Argeo; Use only in environments not harmful to stainless steel and silicone

LOAD CELL CONNECTION

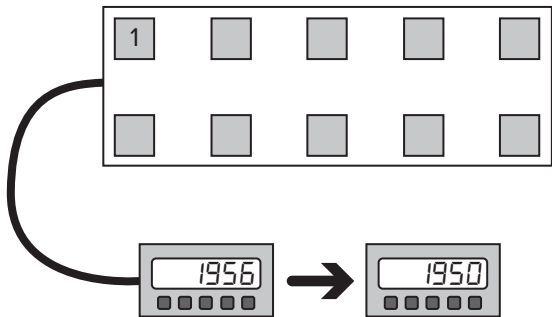
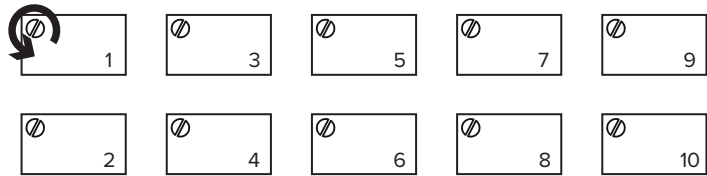
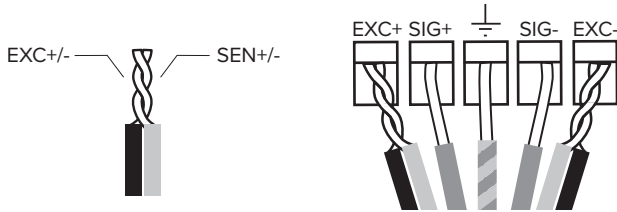
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3



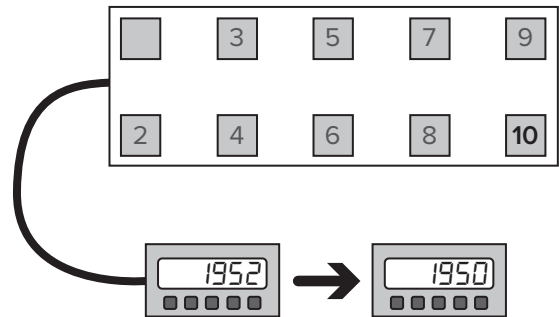
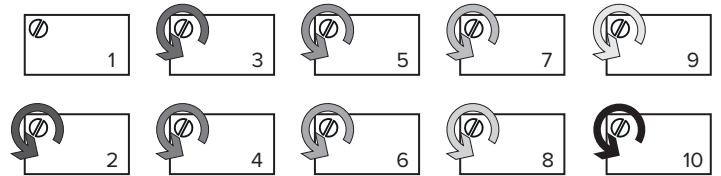
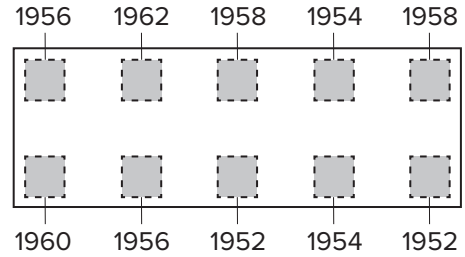
If the load cells have 6 wires, cut SEN+ e SEN- wires or connect together SEN+ with EXC+ and SEN- with EXC-.



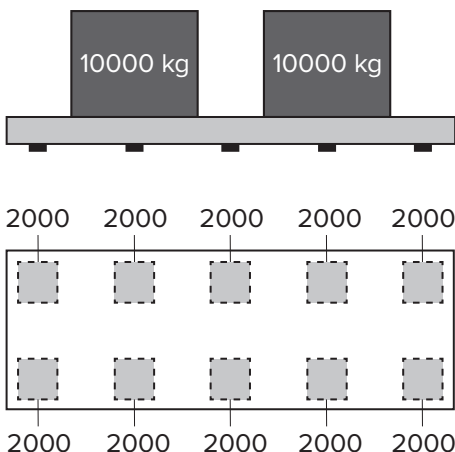
Screw all trimmers clockwise and calibrate the scale



Place a weight on each cell and identify which of them displays the greatest weight. Adjust the trimmers on the board counterclockwise until all cells show the same weight, as in the following example. If necessary, repeat several times for each trimmer.



Calibrate again the scale with a sample weight and verify that all the corners display the same weight.



If the angles do not weigh the same, repeat the equalization procedure.

FAQ

- Can I connect less than 10 load cells?

Yes, connect the load cells starting from CELL1 connector, then close the outlet holes of unused load cells with the caps provided.

- How can I connect more equalization box to the same weight indicator?

Generally is recommended to use an equalization box with more channels. If it is not possible, put in parallel the equalization box using the connector "INDICATOR".

- Why can other unregulated load cells also be modified when adjusting trimmers?

Like any equalization board, trimmer adjustment leads to alteration of the load cells signal balance.

Compared to common equalisation boxes on the market, Dini Argeo boxes have more sensitive trimmers, that allow a more precise equalisation, altering less the adjacent load cells.