

GM LOAD CELL JUNCTION BOX



GM-JX-V

GM Load Cell Junction Box



GM-JX-V junction box is not the normal and traditional load cell junction box. In addition to regulating the wiring function, it can compensate and correct the four angle deviation by adjusting the resistance value of the precision potentiometer. In some special weighing occasions when the angle deviation is so large to affect the measurement results, this junction box can effectively solve the user's problems.

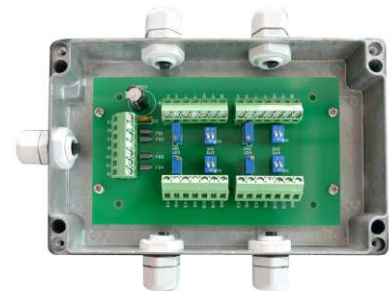
OPERATING INSTRUCTION



Internal terminal identification

Six-wire Connection Method (also compatible with four-wire sensor).
Internal wire terminals are identified as follows:

- "EX+"-- EXCITATION +
- "SN+"-- SENSE +
- "EX-" -- EXCITATION -
- "SIG+"-- SIGNAL +
- "SIG-"-- SIGNAL -
- "SN-" -- SENSE -
- "GND"-- SHIELD



Adjustment Method

Precision potentiometer [VR1~VR4](#) can fine tune the output signal of each load cell, which is used to adjust the four angle deviation of the system. Four-channel dip switches SW1 to SW4 are used to disconnect or connect corresponding load cell. When it is in the **OFF** position, the load cell is disconnected from the system. When it is in the **ON** position, the load cell is connected to the system.

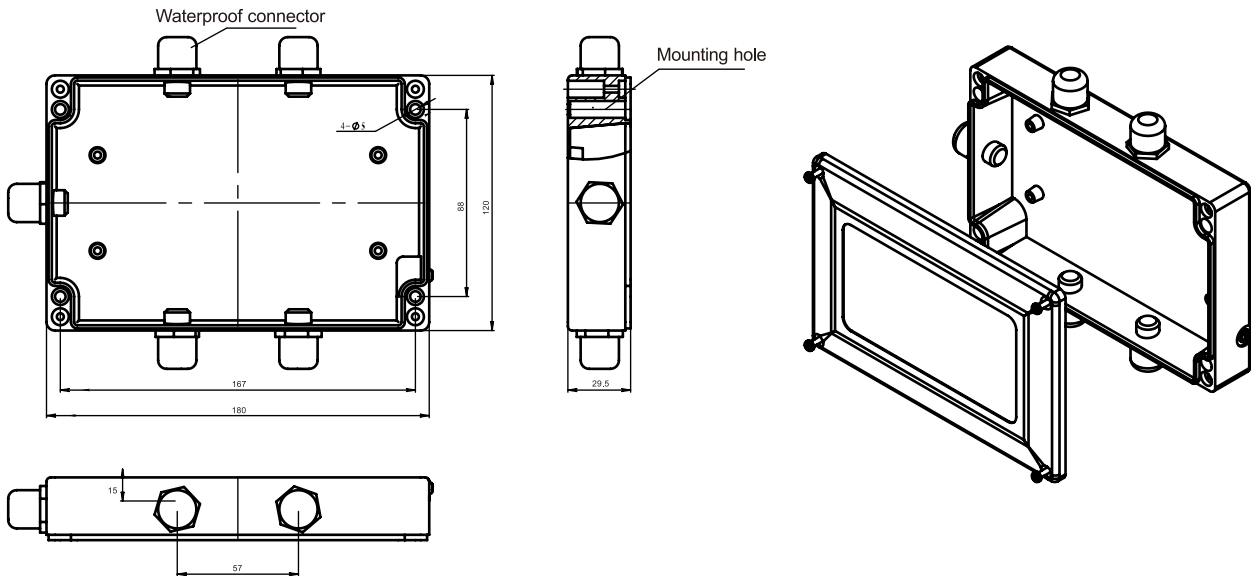


Four-Angle Deviation Adjustment Method

- **Step 1:** Before adjustment, the four-channel potentiometer is gently rotated to the middle position;
- **Step 2:** Observe and record the millivolt signals transmitted of each load cell separately through the dip switch (close the other three channels when observing one channel);
- **Step 3:** Fine-tune the channel with large deviation to the average value (close the other three channels when observing one channel);
- **Step 4:** Repeat step 2 and step 3 until the millivolt signals of four-channel are similar.

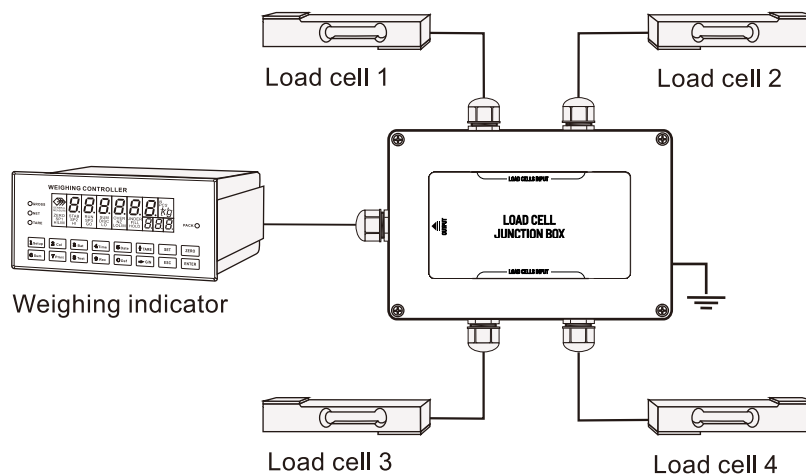
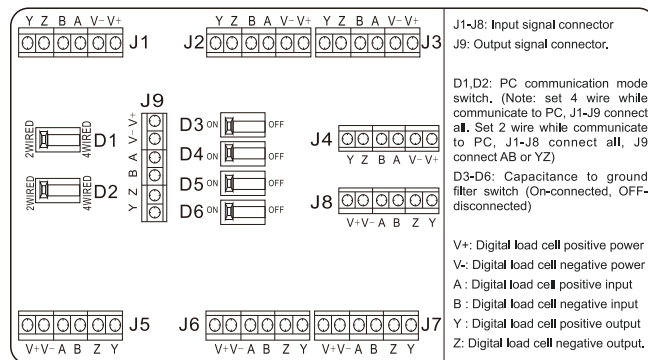
Dimensions

Unit:mm



Connection Diagram

Unit:mm





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