

ADAM-5018SK Cold Junction Compensation Solution Kit

ADAM-5018SK User Note

The ADAM-5018SK CJC Solution Kit is a convenient wiring solution designed to provide a better accuracy of temperature measurement on each ADAM-5018 thermocouple input channel. The kit includes the following items:

- ADAM-5018 7-channel Thermocouple Input Module
- ADAM-3920 20-pin Flat Cable Wiring Terminal for DIN-rail
- ADAM-0060 0.6m 20-pin Flat Ribbon Cable

Installation Steps:

Follow the steps below to complete relocation of the CJC device to outer wiring terminal block:

1. Take off the CJC device on the terminal connector of ADAM-5018 module. Relocate it on the outer terminal block (**with the pin on the protruding side of the CJC component fitted on connector 15 and the other pin fitted on connector 17 on the outer terminal block**).
2. Connect the outer terminal block and ADAM-5018 terminal connector with the flat ribbon cable. Be careful that the wirings must be connected correctly following the due order.

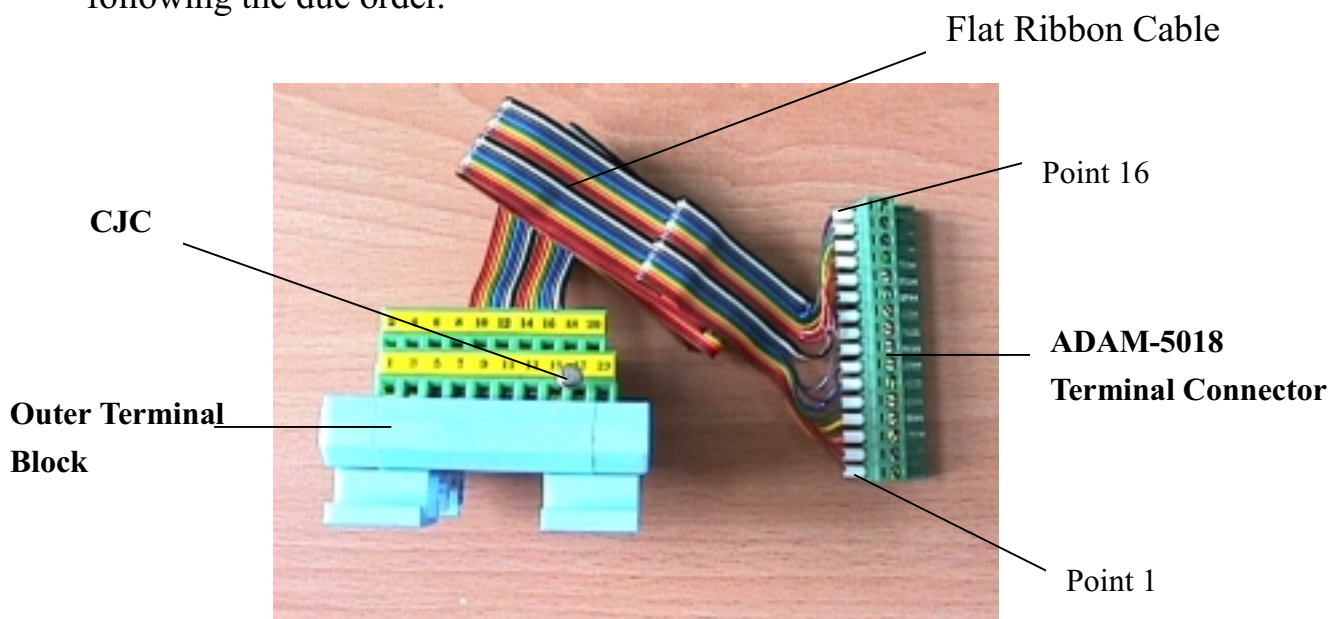


Fig. 1 ADAM-5018SK CJC Solution Kit

3. Connect the anode of thermocouple to channel 1 in ADAM-3920. Connect the cathode of thermocouple to channel 2 in ADAM-3920.

Application:

With the relocation of the CJC device to the outer terminal block, a better accuracy of temperature measurement can be guaranteed. If you have experienced any undue distortion that is possible from a temperature gradient inside your input module, it is suggested that you adopt the relocation of the CJC to outer terminal block. Thus the CJC can best compensate each measuring points with a same compensation value.

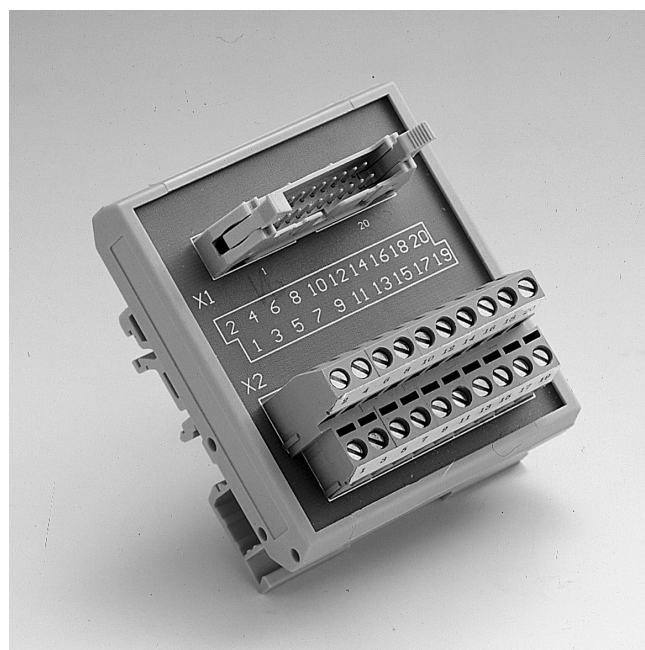


Fig. 2 ADAM-3920 Diagram