

Instruction Manual of Signal Transducer
MODEL:7522 SERIES

1. GENERAL

This MODEL 7522 Series are Isolated Signal Transducers which linearize the thermoelectricity of different thermocouple inputs and convert the signals to the desired DC current or DC voltage.

Mounting onto DIN standard rail can easily be done by plug-in type case, and which remarkably saves the installation time and labour.

2. MOUNTING METHOD

1) Mounting

Fix the attached terminal blocks by M4 screws. In case of multiple installation in series, keep the clearance in between transducers as shown at Fig.1.

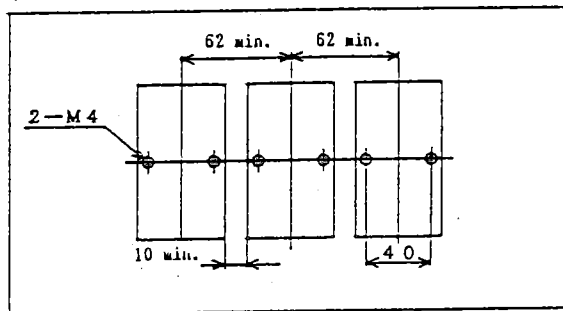


Fig.1

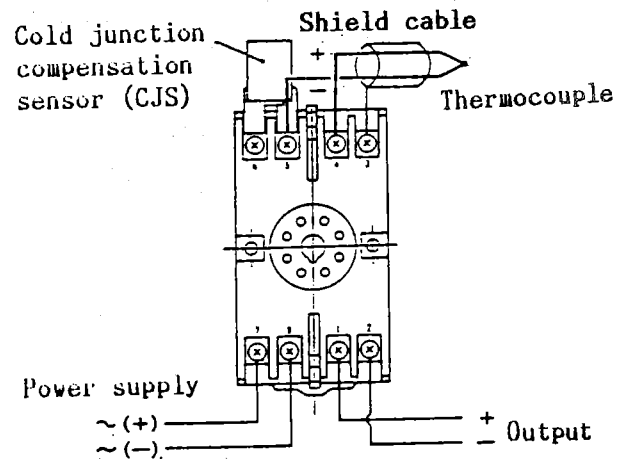


Fig.2

2) Connections

1. Screws of terminal blocks of this transducer series are M3.5. Make sure the correct and firm wirings by means of clamp type terminal etc.

2. Make the connections as per the connection diagram at Fig.2 and use the cable conformable to the rated capacity of the circuit. Confirm that the production numbers of cold junction compensation sensor (CJS) and transducer are conforming with each other. Because the cold junction compensation sensor (CJS) has no interchangeability, the sensor of the same production number as that of the transducer must be used.

3. When the external noise is expected to affect the input line, it will be effective to use the shield cable for input and to connect the outer shield to S-terminal at (3).

4. Power on the transducer after confirming the rated values, connections and etc. of input, output signals and power source voltage.

3) Adjustment

Transducers are adjusted within tolerable error at delivery from factory, but if the calibration becomes necessary, make the adjustment with ZERO and SPAN volumes on the front.

Adjustable ranges are about +/-5% for ZERO and about +/-10% for SPAN.