

Instruction Manual of Signal Transducer
MODEL 7562 SERIES

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1. General

This article is the isolated signal transducer which converts the input of various Potentiometers into 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.

2) Location of installation must be the ambient temperature $-5 \sim 50^{\circ}\text{C}$, humidity 90%RH or less of no dew.

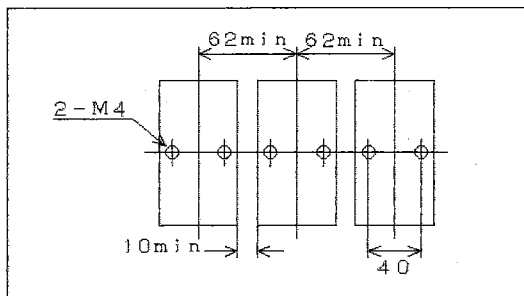


Fig.1

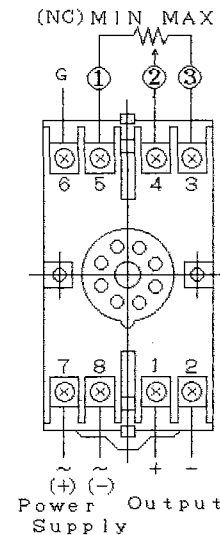


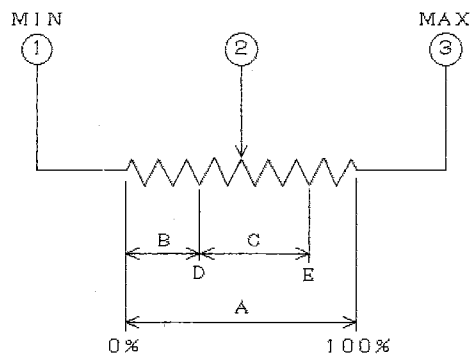
Fig.2

3) 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.
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 ⑤.
4. In case that the noise is frequently generated on power line, it will be effective to ground G terminal at ⑥.
But in case of DC power source, terminal ⑥ becomes NC.

3. Adjustable Range of Output Signal

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- A: Input resistance value of potentiometer(0~100%)
- B: ZERO cut-off range
- C: Measuring range
- D: Min. value of measuring range(0~35%)
- E: Max. value of measuring range(0~35%)+(50~100%)
subject to $E \leq 100\%$

Note. Mutual interference can be avoided by making ZERO adjustment prior to SPAN adjustment.

4. Block Diagram.

