

1. General

This MODEL 7552 is a compact isolated type distributor provided with the stabilized 24VDC power supply for the 2-wire system transducers. This distributor accepts as its input the 4~20mA DC output signal from the transducers supplied by this distributor and convert it to the required DC voltage or DC current. A plug-in system employed for this distributor allows easy and quick mounting onto the DIN rail, remarkably reducing the work process for the installation.

2. Installation

1) Mounting

Mount the terminal block attached to the distributor onto the DIN rail, or fix it with M4 screws. When 2 or more units are installed in series, keep a clearance in between the distributors as shown at **Fig.1**.

2) Location

Install the distributor in the place where the ambient temperature is -5~55°C, humidity is 90%RH or less and no dew is condensed.

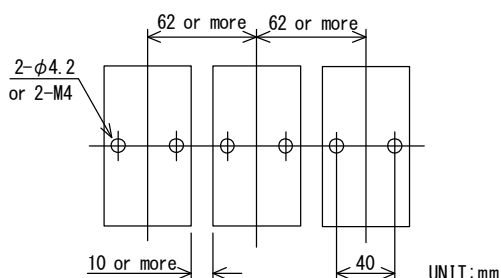


Fig.1

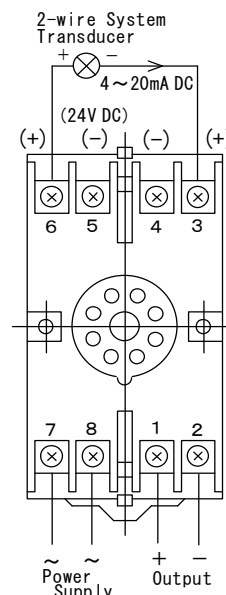


Fig.2

3) Connection

1. Terminal screws of this distributor are M3.5. Make firm and correct connection by using crimp type terminal etc.
2. Make the connection as per the connection diagram **Fig.2**, using the cables to meet the rated capacity of the circuit.
3. Before powering on the distributor, confirm that the rated value of input, output and power supply voltage, and cable connection are proper.

3. Adjustment

The distributor is adjusted within its tolerable error at delivery from our factory. In case that a calibration is required, make an adjustment with ZERO and SPAN volumes provided on the front. Adjustable range is approximately $\pm 5\%$ for ZERO and $\pm 10\%$ for SPAN. The calibration is recommended to be done in the ambient condition of $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$, humidity 75%RH or less.

4. Block Diagram

