To prevent electric shock or instrument failure, do not turn on the power until wiring is completed. Ensure the replacement of the output state of the instrument.

2. Wiring

2.1 Wiring Cautions

- For electric shock or instrument failure, do not turn on the power until wiring is completed. Make sure that the wiring configuration is checked and the power is turned off while wiring.
- If the equipment is used in a manner not specified by the manufacturer, the protection devices may not function properly, resulting in electric shock or failure.
- To prevent electric shock, fire, or malfunction, ensure that the equipment is properly grounded and that the wiring is correct.

2.2 Terminal Configuration

2.2.1 Power supply

- Connect the power supply to the designated terminals to ensure proper operation.
- Use the designated power supply voltage and frequency to avoid damage to the instrument.

2.2.2 Digital output

- Connect the digital output to the designated terminals to ensure proper operation.
- Use the designated digital output voltage and frequency to avoid damage to the instrument.

2.2.3 Analog output

- Connect the analog output to the designated terminals to ensure proper operation.
- Use the designated analog output voltage and frequency to avoid damage to the instrument.

2.2.4 Communication

- Connect the communication to the designated terminals to ensure proper operation.
- Use the designated communication voltage and frequency to avoid damage to the instrument.

3. Parts Description

3.1 FZ110/1100

- The display shows the instrument status and measurement value.
- The keypad is used to set parameters and perform key operations.

3.2 FZ400/4000

- The display shows the instrument status and measurement value.
- The keypad is used to set parameters and perform key operations.

3.3 FZ900

- The display shows the instrument status and measurement value.
- The keypad is used to set parameters and perform key operations.

4. Installation

4.1 Mounting Cautions

- Before mounting, ensure that the mounting position is suitable for the instrument.
- Use the designated mounting bracket to ensure proper operation.

4.2 Mounting procedures and removal

- Mount the instrument according to the instructions and check the mounting position.
- Remove the instrument according to the instructions and check the mounting position.

5. Wiring

5.1 Wiring Cautions

- For electric shock or instrument failure, do not turn on the power until wiring is completed. Ensure the replacement of the output state of the instrument.
- If the equipment is used in a manner not specified by the manufacturer, the protection devices may not function properly, resulting in electric shock or failure.
- To prevent electric shock, fire, or malfunction, ensure that the equipment is properly grounded and that the wiring is correct.

6. Maintenance

6.1 Maintenance Cautions

- For electric shock or instrument failure, do not turn on the power until maintenance is completed. Ensure the replacement of the output state of the instrument.
- If the equipment is used in a manner not specified by the manufacturer, the protection devices may not function properly, resulting in electric shock or failure.
- To prevent electric shock, fire, or malfunction, ensure that the equipment is properly grounded and that the wiring is correct.

7. Troubleshooting

7.1 Troubleshooting Cautions

- For electric shock or instrument failure, do not turn on the power until troubleshooting is completed. Ensure the replacement of the output state of the instrument.
- If the equipment is used in a manner not specified by the manufacturer, the protection devices may not function properly, resulting in electric shock or failure.
- To prevent electric shock, fire, or malfunction, ensure that the equipment is properly grounded and that the wiring is correct.
4. SPECIFICATIONS

TC input

- 4-20 mA (DC) 0-10 V (DC) ±0.5% of full scale (FZ400/900)
- 0-5 V (DC) 1-5 V (DC) ±0.5% of full scale (FZ400/900)
- Votage input ±10 V (DC) 200 mV (DC) ±0.5% of full scale (FZ400/900)
- 0-10 V (DC) ±0.2% of full scale (FZ400/900)
- Isolated ±10 V (DC) 200 mV (DC) ±0.2% of full scale (FZ400/900)
- Power supply voltage is (6) Digital output (DO)

5. MODEL CODE

5.1 FZ110

5.2 FZ400/FZ900

6. ERROR DISPLAYS

Self-diagnostic error

- Error code "4"

7. CONNECTING A LOADER CONNECTOR

- The loader port is only for parameter setup. Not used for data logging.

- The loader communication corresponds to the RKC communication protocol (Modbus-RTU Ver 1.0 or later).

Handling precautions for front cover

- Shaking
- When installing a front cover for the FZ110 (PK: FZ110-314), carefully hold the cover horizontally against the installation panel, place it over the instrument, and push it until it is fixed. Make sure the cover is firmly fixed in place.

- Renewal
- To remove the front cover, hold both sides of the cover and pull the cover toward you pressing it inward.

- An image of the front cover for the FZ110 (FZ110-314) which is shaded is depicted above the instrument.