1. Safety Precautions

1.1 Precautions concerning working environment and conditions

- Do not use the unit in any of the following places. Doing so may cause malfunctions or a reduction in service life.
  - Places where the ambient temperature exceeds the working temperature range (-20°C to +60°C).
  - Places where the humidity is 85%RH or more or where condensation occurs.
  - Places where the daily average temperature exceeds 35°C.
  - Places where the humidity is 90%RH or more.

1.2 Precautions concerning inspection and connection

- Check the current ratings of the equipment.
- Use the unit in the specified usage environment and conditions.
- Check the current ratings of the equipment.
- Do not give this product a shock, a shot at the time of the transportation as much as possible.

1.3 Precautions concerning installation and connection

- Perform installation, disassembly, the wiring work after interacting a power supply by all means. There might be the damage of an electric shock or the product.
- Connect the wires correctly, checking the wiring diagram. Incorrect wiring can cause unit failures, fires, and electric shocks.
- Use the unit in the specified usage environment and conditions.
- Use the M4 screws crimp type terminals appropriate for the electric wire size (1.2-2.0mm²).

1.4 Precautions concerning maintenance

- Use an electric wire of the size of penetrating this ZERO PHASE CURRENT TRANSFORMER (ZCT) for primary side cable, do not use a non-insulation electric wire or a metal for a primary cable.
- Connect the wires carefully, checking the wiring diagram. Incorrect wiring can cause unit failures, fires, and electric shocks.
- Tighten the screws securely and tighten the terminal screws firmly.
- Mount the unit away from a power failure. Failure to do so can cause unit failures, fires, or electric shocks.
- The use of the infelicity causes malfunction of the machinery,

1.5 Precautions concerning inspection

- Do not give this product a shock, a shot at the time of the transportation as much as possible.
- Do not let penetrate the grounding wire when there is a grounding dedicated line in the electric circuit, go through ZCT hole.
- When it let ZCT penetrate primary wiring over 300A, keep wiring straight in line more than one side 30cm.

2. Specifications

2.1 Name of each part

2.2 Installation

1) Unscrew the short bar and take off the one side of the short bar.
2) Loosen a pinching screw of ZCT in right and left side alternation equally and take off upper core.
3) Put a primary wire into lower core.
4) Install lower core in the setting position and tighten screws with mounting bracket.
5) Please prepare the screws for mounting bracket in the table below.
6) After conforming in dust not sticking to the separate surface on cores, put upper core and lower core together and assembling pinching screws. Tighten a pinching screw in right and left equally.
7) Tighten upper short bar.
8) Wiring secondary terminal (b), (c), (d), (e) if necessary.

2.3 Torque

- Tighten the screws by the following prescribed torque. Tightening too much or the less of unpinching clamp influences damage and the characteristic of the instrument.

3. Precautions concerning usage

4. Dimensions

5. Customer Service

Note: When exported from Japan, this manual does not apply to the Ministry of Economy, Trade and Industry for service transaction purposes. Specifications subject to change without notice.