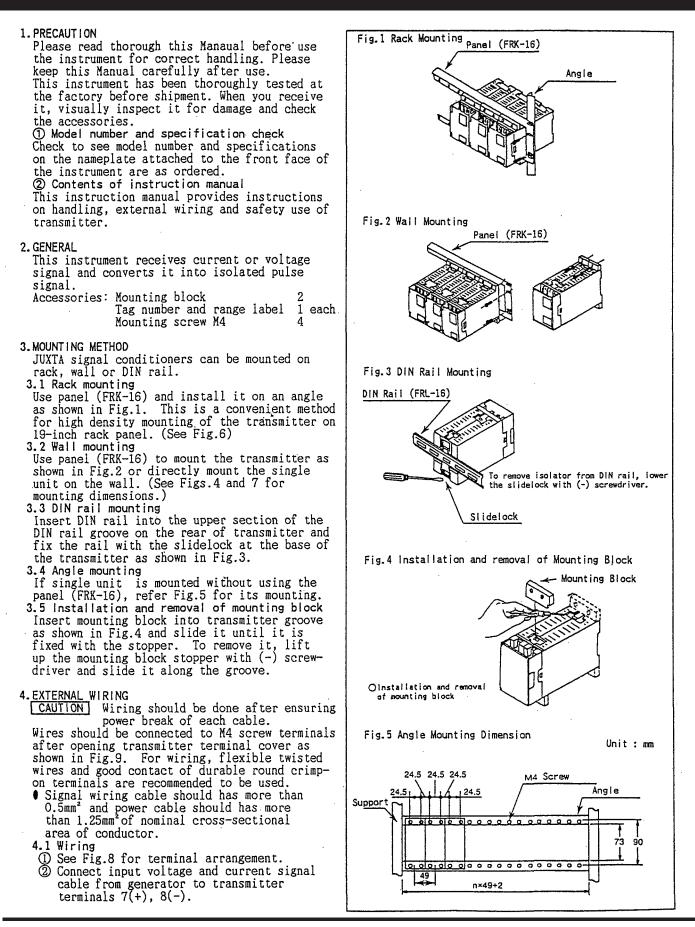
# User's Manual

Model WQ2P Analog to Pulse Converter (Free Range Type)



IM JW68-01E





- 3 Connect transmitter output signal cable to its terminals 11(+) and 12(-). (4) Connect 85~265V AC or 24V DC power cable
- to transmitter terminals 14(L+), 15(N-)and 16(G). (See Fig.9)
- NOTE : Apart wiring of power and input/output cables from noise source. Otherwise, accuracy may not be warranted.

## 5. INSTALLATION AND HANDLING

- ① Aviod installation in such environments as shock, vibration, corrosive gas, dust, water, oil, solvent, direct sunlight, radiation, powerful electric and magnetic fields.
- ② In order to protect transmitter from inducement of thunder surges in power and signal cables, use arrester between transmitter and equipment installed in the field.

#### 6. SAFETY USE

Following caution for safety should be taken for handling of instrument. We are not responsible for damage incurred by use contrary to caution. CAUTION

- Following items should be checked when turing power on. Use of instrument by ignoring the specifications may cause overheat or burning.
  - (a) Voltage of power supply and input value be applied to the instrument should meet with required specifications.
  - (b) External wiring to terminals should be connected correctly. (See preceding Article 4)
- Do not use the instrument in such dangerous places where exist inflammable and explosive gas or steam.
- In case of AC power supply, high voltage of  $85 \sim 264$  V AC would be applied to 14 and 15 terminals and 300 VAC would be applied to 7 and 8 terminals shown in Fig.10. Do not touch terminals.

## 7. CALIBRATION

Carry out the following calibration after warming up the instruments for more than  $10 \sim 15$  minutes.

# 7.1 Calibration equipment

- Counter or Oscilloscope (Hewlett-Packard Model 5334A or equivalent) • Voltage/Current Generator (Yokogawa Model 7651 or equivalent)
- •Resistor & Dry Cell (one each of 1KQ and 1.6KQ resistor and one 6V dry cell)
- 7.2 Calibration
- Connect each equipment as shown in Fig.10.
  Input/output characteristics Input/output characteristics check Apply input signal equivalent 0, 25, 50, 75, 100% of span to transmitter through Voltage/Current Generator. Check the corresponding transmitter outputs are 0, 25, 50, 75 and 100% respectively and
  - are within accuracy rating range. If output signal is out of tolerance, adjust it through Handy Terminal (JHT-100 or JHT200). For adjustment, refer Instruction Manual of Handy Terminal (JHT200: IM JF81-02E, JHT-100: IM JF81-01E)

#### Note:

When power of WQ2P is turned on/off, one pulse may be counted by the pulse input device which connects to the WQ2P.

Subject to change without notice for grade up quality and performance.



