SPLIT-CORE CURRENT TRANSDUCER
JM21NA-XXX-VH

E344623

Split-core current transducer for the electronic measurement of AC waveform currents, with galvanic isolation between the primary circuit (power) and the secondary circuit(measurement). 0-5V DC, 0-10V DC, 4-20mA DC output proportional to the RMS value of the primary current.

MAIN CHARACTERISTICS

- Current transformer and RMS circuit in a single case
- Choice of primary current ranges: 5 to 250A RMS
- Choice of standard output types: 4-20mA, 0-5V, 0-10V
- Accuracy: <2% of nominal primary current
- Bandwidth: 50/60 Hz

ADVANTAGES

- High isolation between primary and secondary circuits
- Compact case
- Cost-effective solustion
- Easy installation

FEATURES

- True-RMS (Bipolar DC in => Unipolar DC out)
- Active 0-5V DC output or
- Active 4-20mA output (no loop feeding!)
- Single power supply (24V)
- Operating range: -20°C to +60°C
- Isolation test voltage : 3.5kV RMS / 50Hz / 1min
- Sensing aperture : 21mm
- UL94-V0 recognized materials

APPLICATIONS

- Automation and Supervision
- Safety and Condition Monitoring
- HVAC & Pumps
- Refrigeration
- Small Industrial Motors
- Fans
- Lighting

SPECIFICATION

Rated Current (A)		5, 10, 20, 25, 50, 75, 100, 150, 200, 250
Model	**Output**	**Electrical Data**
JM21NA-XXX-VH	0-10V DC	Output Impendance 23kΩ(Self Power) & Average output

⚠ CAUTION: DANGER ⚠

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

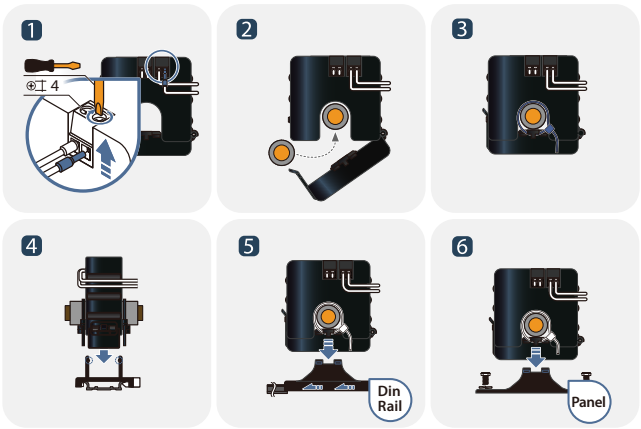
- In order to guarantee safe operation of the transducer, please read and understand the instructions thoroughly. For your reference, see NFPA 70E in the USA, or applicable local codes.
- Certain parts of the module may carry hazardous live voltage when the transformers being operated (e.g. primary conductor, power supply).
- This equipment must only be installed and put into operation by qualified electrical personnel or appropriately trained individual.
- Before servicing the CTs, disconnect all sources of power and use a properly rated voltage sensing device to check if the power is off.
- Make sure to install the transducer only on insulated conductors.
- Do not depend on this product for voltage indication
- Use the product in a Pollution Degree 2. A Pollution Degree 2 environment must control conductive pollution and the possibility of condensation or high humidity. Regard the enclosure, thermal properties of the equipment, the proper use of ventilation and the relationship in surroundings.

NOTICE

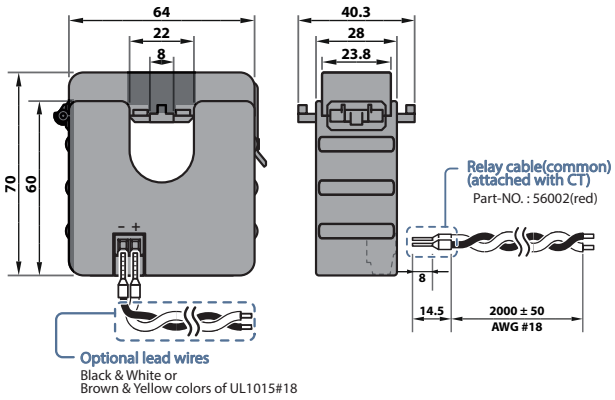
- This product is not intentionally made for safety applications.
- Make sure not to install this transformer in hazardous or classified areas.
- The installer is responsible for conformance to all applicable codes.
- Ignoring the warnings can lead to serious injury and/or cause damages.
- A qualifi¬ed person is the one who is skilled and has knowledge about the construction and operation of this electrical equipment, and has received safety training to recognize and avoid the hazards involved. (NEC2011 Article 100)
- If this product is used in a way not specified by the manufacturer, the protection offered by the product may be impaired. No responsibility is taken by J&D Electronics for any consequences arising by not following this material properly.

J&D SMART SENSING

HOW TO USE



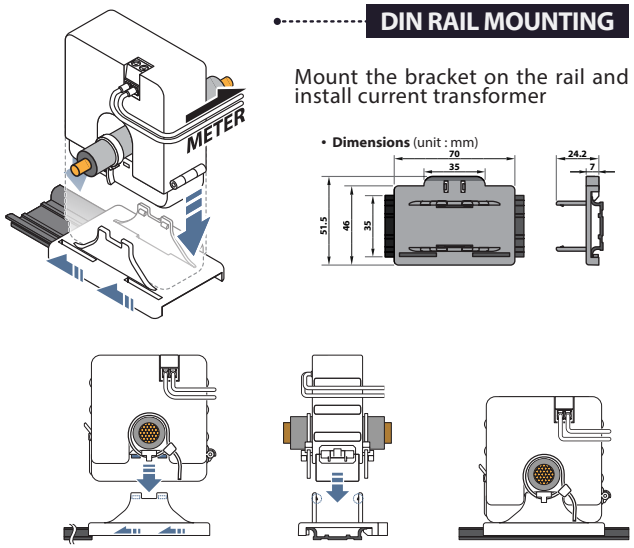
DIMENSIONS



ACCESSORY OPTION

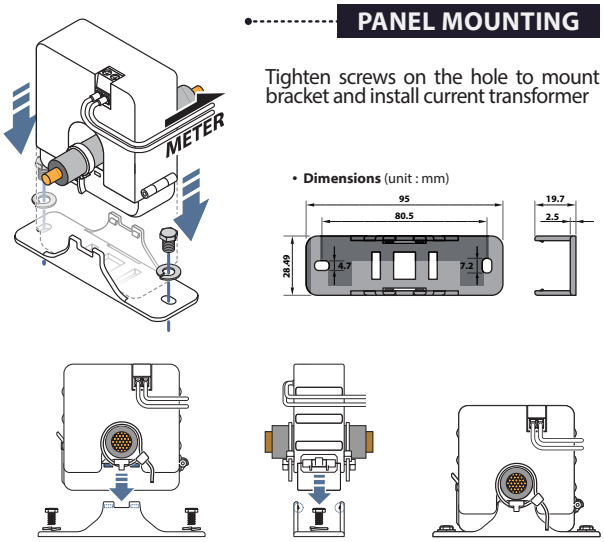
DIN RAIL MOUNTING

Mount the bracket on the rail and install current transformer

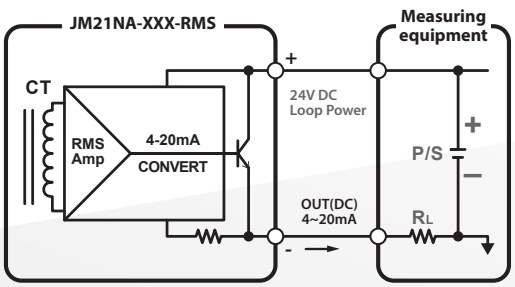


PANEL MOUNTING

Tighten screws on the hole to mount bracket and install current transformer

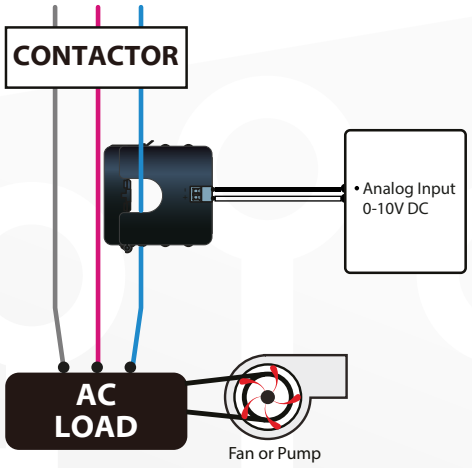


INTERNAL CIRCUIT DRAWING



2-Wire Transmission method(Loop powered) using P/S(+ side) of Measuring equipment

APPLICATIONS



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