

**General**

- DV-DIN it is designed to observe the voltage range between phase-phase or phase and neutral.
- DF-DIN it is designed to observe the frequency range between phase-phase or phase and neutral.
- DA-DIN, DA-60,DA-100 and DA-250 it is designed to observe value of current that any of a load maintains.

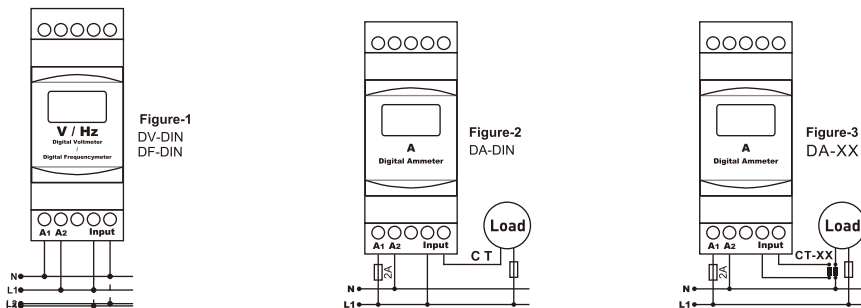
**Use of Device and Working Principle**

- Please make the connections according to the schema.
- DV-DIN, the values between phase-phase or phase neutral is shown on the display when the energy of a product is being activated.
- DF-DIN, the values between phase-phase or phase neutral is shown on the display when the energy of a product is being activated.

DA-DIN, When the device is energized, the current drawn by the load shown on the display. Make your order as adjusted according to the current transformer value that you want to use. If the current value on the load will be under 5A you can connect the device according to the 'figure 2' without using current transformer.

DA-60/DA-100/DA-250, se the CT-60(DA-60),CT-100(DA-100),CT-300(DA-250) current transformer provided with the device. Connect the current transformer lead wires to input terminals of the device. The values of the device are adjusted based on the current transformer. So, don't use current transformers of different brands and models. When the device is energized, the current drawn by the load shown on the display. The device show 1-63A(DA-60),10-100A(DA-100),10-250A(DA-250) current value.

**Connection diagrams**



**Maintenance**

Switch off the device and release from connections. clean the trunk of device with a swab. Don't use any conductor or chemical might damage the device. make sure device works after cleaning.

**Warnings**

- Please use the device according to the manual.
- Don't use the device in wet.
- Include a switch and circuit breaker in the assembly.
- Put the switch and circuit breaker nearby the device, operator can reach easily.
- Mark the switch and circuit breaker as releasing connection for device.

**Technical Specification:**

- Working Voltage.....: 140V-280V AC
- Working Frequency.....: 50/60 Hz.
- Working Power.....: <3VA
- Working Temperature.....: -20°C.....+55°C
- Display.....: 1 x 3 Digit Display
- Measuring Range.....: 0V - 500V (DV-DIN) / 1Hz - 400Hz (DF-DIN)  
0,15A - 5A (DA-DIN) / 1-63A(DA-60)  
10-100A(DA-100)/10-250A(DA-250)
- Connection Diagrams.....: Terminal connection
- Cable Diameter.....: 2,5mm<sup>2</sup>
- Weight.....: 135 - 155 Gr.
- Working Altitude.....: <2000m
- Mounting.....: DIN-rail mounting

**Dimensions for DV-DIN / DF-DIN / DA-DIN / DA-60/DA-100/DA-250**

