

SCA-20N Surge counter Instruction manual

Please read the instructions before installing the product, as this instruction manual explains how to use the Surge Counter effectively and safely.

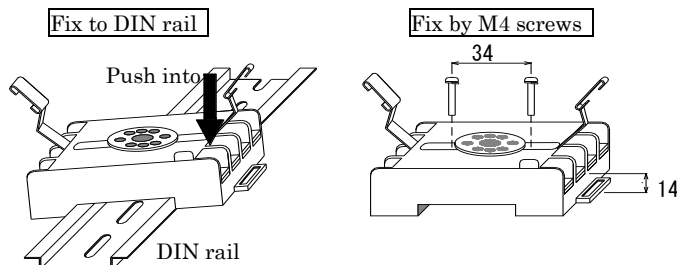
1. Notice

- Maximum operating current is 50kA (8/20 μ s or 10/350 μ s) .
- This product should be used indoor only. Do not use outdoor or in the place where it is splashed with water.
- Handle this product carefully to prevent mechanical shock. It may cause breaking or damage.

2. Connection

a) Installation of the base

- 1) Unfix the both side metals of the base.
Remove the main body from the base.
- 2) Fix the base to DIN rail or by M4 screws.

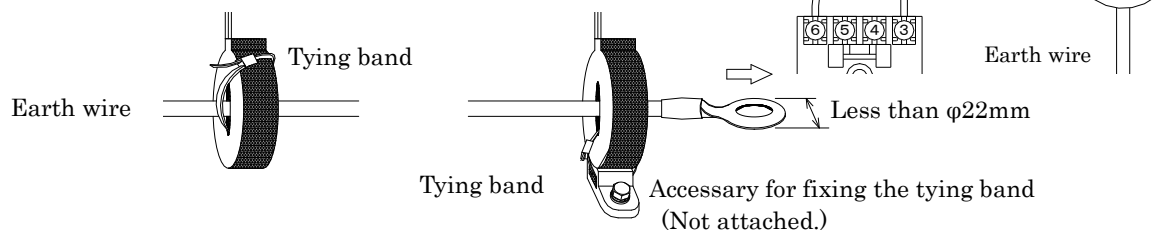


b) Installation of CT

⚠ Note

- Do not tie the lead wires of CT to other lead wires such as power line and so on. Separate them from other lead wires, to avoid the induction by switching surge or noise.
- Twist the lead wires of CT (300mm) once per 1cm, to protect against noise.
- Do not extend the lead wires of CT.

- 1) Connect the lead wires of CT to ③ and ⑥ terminals on the base.
(Terminal screw is M3.5 and recommendation tightening torque is 0.8~1.3N · m.)
- 2) Form an earth wire be straight as much as possible and it should be passed through the CT.
(It is not necessary to pay attention to the polarity.)
- 3) A tying band is used to fix the CT to the earth wire directly or to the accessory.
(The tying band and the accessory are not attached.)
- 4) If the width of cramp terminal connected to the earth wire is less than 22mm, it can be passed through the CT.



c) Connection of main body

After connecting the wires, insert the main body to the base and fix it by both side metals of the base.

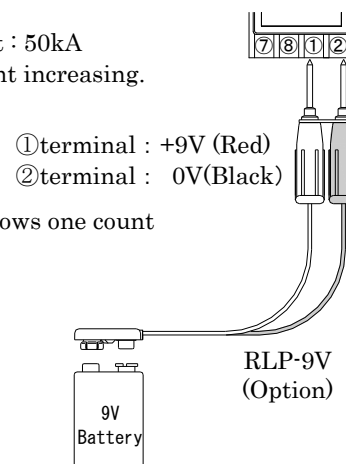
3. Instruction to use

a) Operation

- 1) When lightning current more than 100A 【Maximum operating current : 50kA (8/20 μ s or 10/350 μ s)】 flows through the CT, indicator shows one count increasing.
- 2) The interval time of operating is about 1 second.
- 3) If indicator shows more than 99 counts, it counts from zero again.

b) Count reset

- 1) After applying DC9V to ① and ② terminals on the base, indicator shows one count increasing. 【Notice : Pay attention to the polarity. ① : +9V ② : 0V】
- 2) The count on the indicator returns to zero when applying DC9V again.
Take care sufficiently not to touch to live part of electrical equipment.
- 3) When using RLP-9V(Option), it is easy to do count reset.
【Do not contact the one lead stick with another lead stick.】
【After using, remove the battery.】



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