

Handling Precautions for Chip LED indicator light (ND)

To ensure safe use, be sure to read these precautions together with the general precautions.

Feel free to contact the Customer Service Center if you have any questions.

Precautions for Use

- Before using the product, carefully review the precautions for use and the specifications of the product in question. Be sure to follow all instructions. If you need individual product documentation or more detailed information, or if you have any questions not covered in this document, please contact Sato Parts. Individual product documents, CAD data, and environmental data can also be downloaded from our website.
- Confirm each product's specifications and ensure compliance in your application.
- Do not touch live parts during use (when voltage is applied). Doing so may result in electric shock.
- Do not disassemble or modify the product.
- When disposing of the product, follow all applicable laws and regulations for proper disposal.
- Products rated for AC/DC operation can be used with either alternating current or direct current. Products rated for DC only cannot be used with AC. If using in an AC circuit, provide a rectifying circuit to convert to DC.
- Products rated for AC/DC operation have no polarity. Products rated for DC only must be wired according to polarity markings. Do not reverse polarity.
- Do not apply a voltage higher than the maximum rated operating voltage.
- Ensure mounting accounts for operating voltage and current (including by ensuring sufficient insulation distance). In addition, ensure that connected wires maintain required insulation distance from adjacent electrodes, mounting panels, and other components.
- LEDs are semiconductors and may be damaged by static electricity. Discharge any static from your body or tools before handling.
- Use wire of appropriate size for the intended current.
- Some products have internal structures with moving parts. Avoid applying tension to lead wires. Failure to do so may impede the movement of parts.
- Do not wire in a way that applies stress to terminals after wiring work is complete.
- During soldering work, ensure that no load is applied to terminals.
- For models with quick-disconnects terminals, hold the product securely to prevent movement when inserting or removing. When inserting/removing, do not twist the receptacle.
- Adhere to the specified mounting hole dimensions and tightening torque defined for each product. Please note that mounting hole dimensions for some snap-in mounting models may vary depending on panel thickness.
- Once the product has been mounted on a panel, avoid excessive pressing or twisting.
- When using multiple units of the same product side by side, variations in LEDs and semiconductor devices may cause uneven brightness. Check before use.
- If you intend to use the ND Series in equipment requiring extremely high quality and reliability, where failure or malfunction could directly threaten human life or cause personal injury (for example, in nuclear control, aerospace equipment, transportation equipment, medical devices, or safety devices), please consult Sato Parts in advance.
- Do not crush, cut, pulverize, or attempt to chemically break down chip components.
- When using optional waterproof washers for waterproofing the mounting surface, verify waterproof performance before use.
- As a rule, products are designed for indoor use.
- Avoid using or storing the product in locations where it would be exposed to direct sunlight, condensation, or freezing temperatures.
- Avoid using or storing the product in environments where it would be subject to vibration or shock.
- Avoid using or storing the product in environments characterized by high or low temperatures, high humidity, or the presence of dust, water, oils, detergents, chemicals, or corrosive gases.
- For more detailed information, please request and review the latest drawings and specifications. In the event of a discrepancy between this document and separate drawings or specifications, the separate drawings or specifications take precedence.