

OUVT-1
Over/Under-Voltage Release

User Instruction

Safety Warning

- ① This product is strictly prohibited from being installed in an environment where there are flammable or explosive gases or moisture or condensation. It is strictly prohibited to operate the product with wet hands.
- ② It is strictly prohibited to touch the conductive parts of the product when it is in operation.
- ③ Be sure to de-energize the line when installing and repairing the product.
- ④ The product must be wired and installed by qualified personnel and be checked regularly.
- ⑤ It is strictly prohibited for children to play with the product or packaging materials.
- ⑥ Prevent foreign objects from falling into the products.
- ⑦ Do not install the product in places where gaseous media can corrode metals and damage insulation.
- ⑧ When the product is installed and used, the wiring screws should be tightened, the wires should be not easy to loosen or pull out and should be selected in strict accordance with the requirements, and the power supply and load should comply with the requirements.
- ⑨ The product cannot protect people from electric shock or against power imbalances.
- ⑩ The total number of circuit breaker assembly accessories should not exceed 3.

1 Purpose of Use

OUVT-1 over/under-voltage release is applicable to circuits with frequency of AC 50Hz or 60Hz and rated voltage of 230V. It is used with NB1-63 or NBH8-40 series circuit breakers. When the voltage at release end is lower than undervoltage protection range or higher than overvoltage protection range, the release will operate and the circuit breaker will break automatically, so as to provide overvoltage or undervoltage protection for the circuit.

The over/under-voltage release is an accessory, which should be installed on the left side of the circuit breaker.

2 Key Technical Parameters

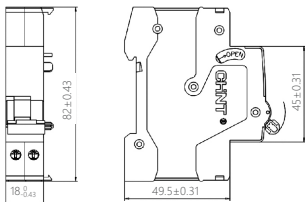
Table 1 Key Technical Parameters

No.	Technical parameters	Parameter value
1	Rated voltage (U_e)	230V
2	Undervoltage operating value	$35\%U_e \leq U \leq 70\%U_e$
3	Overvoltage operating value	$280V \pm 14V$
4	Rated insulation voltage (U_i)	500V
5	Enclosure protection level	IP20

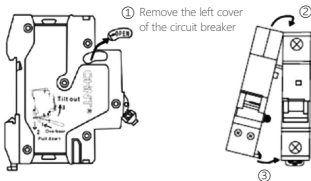
3 Installation

1. Outline and installation dimensions

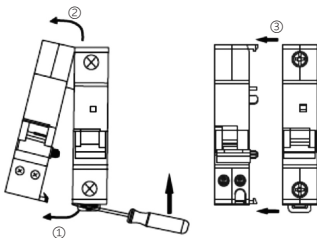
Unit:mm



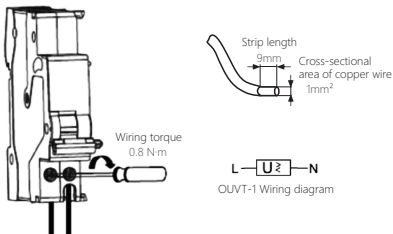
2. Assembly



3. Disassembly



4. Wiring: copper wires only



4 Maintenance

Check the over/under-voltage release and the installed circuit breaker on a regular basis during operation;

If over/under-voltage occurs, or the circuit breaker cuts off overload or short circuit current, please eliminate the fault first before closing the release.

Table 2 Analysis and Troubleshooting of Common Faults

Symptoms	Cause analysis	Troubleshooting method
Cannot close the release by handle.	There is overvoltage or undervoltage in the circuit.	Eliminate the fault
	Fault occurs to the operating mechanism.	Replace the product
	The release is not properly fitted to the circuit breaker.	Re-assemble the product
Temperature is too high.	There is circuit fault in the circuit breaker.	Eliminate the fault
	The wire strip length is too short.	Re-strip the wire
	The wire is loose or not properly fixed by wiring screws.	Tighten the wiring screws

5 Environmental Protection

In order to protect the environment, the product or product parts should be disposed of according to the industrial waste treatment process, or be sent to the recycling station for assortment, dismantling and recycling.

CHINT

QC PASS

OUVT-1
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IEC 60947-5-1

Check 12

Test date: Please see The packing

ZHEJIANG CHINT ELECTRICS CO.,LTD.

CHNT

CHINT ELECTRICS

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User Instruction

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