



OUVT-X3  
Over/Under-Voltage Release

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# User Instruction

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## Safety Warning

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- ① Installation in any damp, condensed-phase environment with inflammable and explosive gas is forbidden. Do not use wet hands to operate the product.
- ② You are prohibited from touching the conductive part when the product is operating.
- ③ When the product is being installed or maintained, the power must be switched off.
- ④ Only professional technicians are allowed for installation, wiring and regular inspection.
- ⑤ It is prohibited to let children play with the product or the package.
- ⑥ Do not let any foreign object to fall into the product.
- ⑦ Do not install the product at places where gas media can cause metal corrosion and insulation damage.
- ⑧ Tighten the wiring screws when installing the product to prevent wires from loose or being pulled out. Select wires strictly according to instructions and connect them to proper power supply and load.
- ⑨ This product does not provide protection for electric shock and electricity unbalance.
- ⑩ Do not install over 3 accessories to the circuit breaker.

## 1 Purpose of Use

OUVT-X3 over/under-voltage release is applicable to circuits with frequency of AC 50Hz or 60Hz and rated voltage of 230V. It is used with NXB-125 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 right side of the circuit breaker.

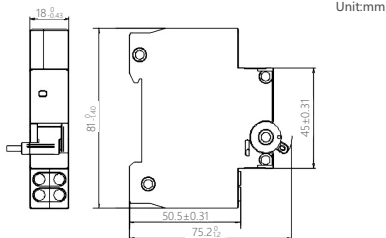
## 2 Key Technical Parameters

Table 1 Key Technical Parameters

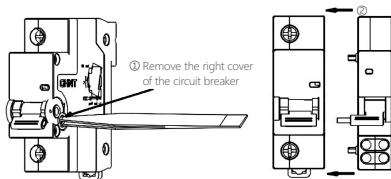
No.	Technical parameters	Parameter value
1	Rated voltage ( $U_e$ )	230V
2	Overvoltage operating value	$280V \pm 14V$
3	Undervoltage operating value	$35\%U_e \leq U \leq 70\%U_e$
4	Rated insulation voltage ( $U_i$ )	500V
5	Enclosure protection class	IP20

### 3 Installation

#### 1. Outline and installation dimensions

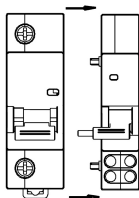


#### 2. Assembly



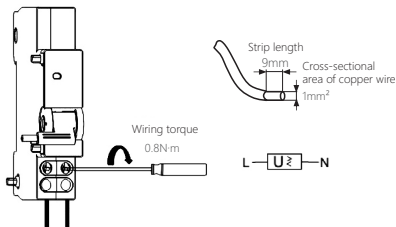
### 3. Disassembly

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### 4. Wiring: only copper wire is applicable

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## 4 Maintenance

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

If the circuit breaker cuts off overload or short circuit current, please eliminate the fault first before closing the release.

**Table 2 Fault analysis and troubleshooting**

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
	The rated current of the fitted circuit breaker does not match with the load current.	Replace with circuit breaker of proper specifications.
No power	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 according to local regulations.

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**CHINT**

**QC PASS**

OUVT-X3  
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Check 12

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Test date: Please see The packing

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**ZHEJIANG CHINT ELECTRICS CO.,LTD.**

**CHINT**

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**User Instruction**

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