

TOYO

TUV-C□ / TOV-C□ series

OPERATION MANUAL

Under Voltage / Over Voltage Relay

■ INTRODUCTION

This relay operates with time delay on voltage exceeding a given value. Time delay varies inversely as voltage value.

When voltage rises over, or drops below a given value, the main contact is closed after time delay and trips a circuit breaker.

This relay needs DC power source for tripping and is suitable for detecting abnormal voltage rise in AC circuits.

■ OPERATING VALUE SETTING

When setting the operating voltage of the relay, you can change the value by **first inserting the spare screw** (beside the ICS unit) **into the expected current value**, and then remove the original screw after setting is done. In the case of draw-out type relay, set the voltage value while the relay is being drawn out.

Caution! In order to avoid unwanted tripping, when setting the operating voltage of the relay, make sure that you insert the spare screw into the expected voltage value before removing original screw.

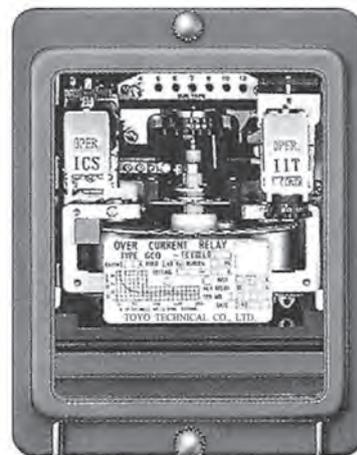
■ TIME LEVER SETTING

The operating time of the relay must firstly be decided before setting the time lever above the rotary disk. The time lever has been initialized at lever 10 as default setting.

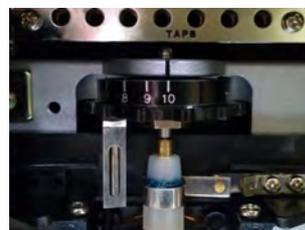
Turn the rotary disk and align the number with the vertical line above the disk to decide the lever.

■ TRIP RESET

When tripping, the indication plate in ICJ / IIS unit will drop. After the fault condition in the system is resolved, the relay can be reset by lifting the reset mechanism and let the indication plate return to its original state.



over voltage setting screw



Lever setting rotary disk



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