

# TOYO

瞬時要素付

## 過電流/地絡過電流繼電器

Over Current / Ground Overcurrent Relay

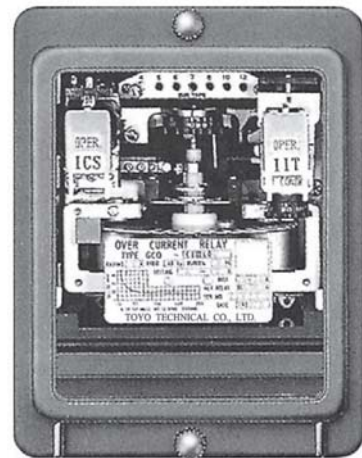
*Very Inverse Type*

■ **TYPE TCO-CI** □ (常時開路型 : Normal Open Contact)

■ **TYPE TGO-CI** □ (常時開路型 : Normal Open Contact)

This relay operates with time delay on current exceeding a given value. Time delay varies inversely as current value, and there are two kinds of time characteristics - inverse and very inverse.

It is possible to improve the time coordination between adjacent relay system by incorporating its instantaneous unit. This relay is suitable for protection of generators, transmission lines, distribution lines and motors.



### ■ SPECIFICATION

Type	*Tap Range	TCO/GCO Unit		*IIT Unit	ICS Unit (DC)	Figure	Weight
		Time Characteristic	Rating				
TCO-C 3	3-8A	Very Inverse	5A	— —	0.5A	Fixed	3.5kg
TCO-CI 3	3-8A		5A	20-80A			
TCO-CI 2	2-6A		5A	20-80A			
TGO-CI 5	0.5-2A		2A	10-40A			
TGO-CI 1	0.1-0.5A		0.5A	10-40A			
TCO-CI D3	3-8A	Very Inverse	5A	20-80A	0.5-2A	Draw Out	4.4kg
TCO-CI D2	2-6A		5A	20-80A			
TGO-CI D5	0.5-2A		2A	10-40A			
TGO-CI D1	0.1-0.5A		0.5A	10-40A			

★TAP: 3-8A: 3, 4, 5, 6, 8A  
2-6A: 2, 3, 4, 5, 6A

0.5-2A: 0.5, 0.7, 1.0, 1.5, 2.0A  
0.1-0.5A: 0.1, 0.2, 0.3, 0.4, 0.5A

★IIT: 20-80A: 20, 30, 40, 60, 80A  
10-40A: 10, 15, 20, 30, 40A

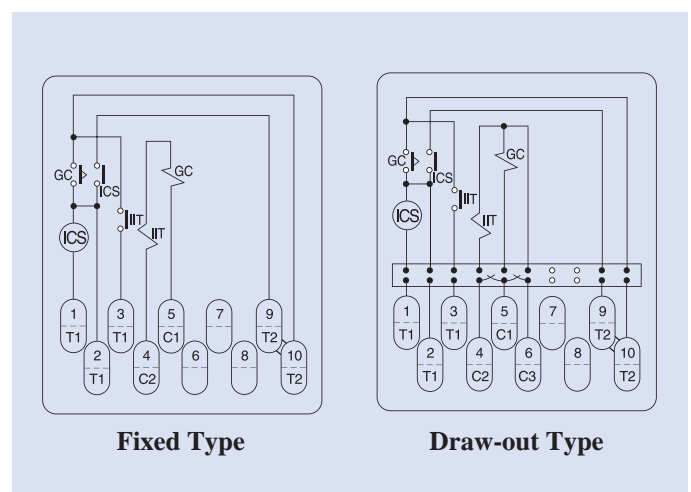
### ■ OPERATING VALUE SETTING

When setting the operating current 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 current value while the relay is being drawn out.

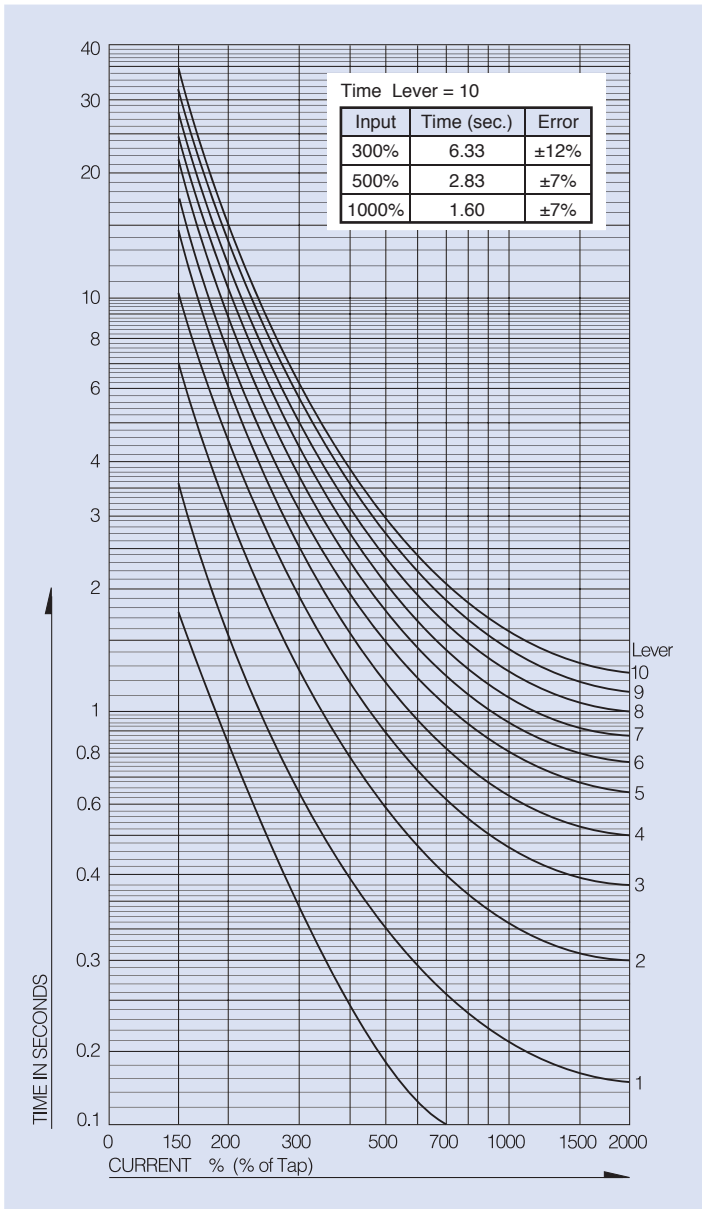
### ■ TIME LEVER SETTING

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.

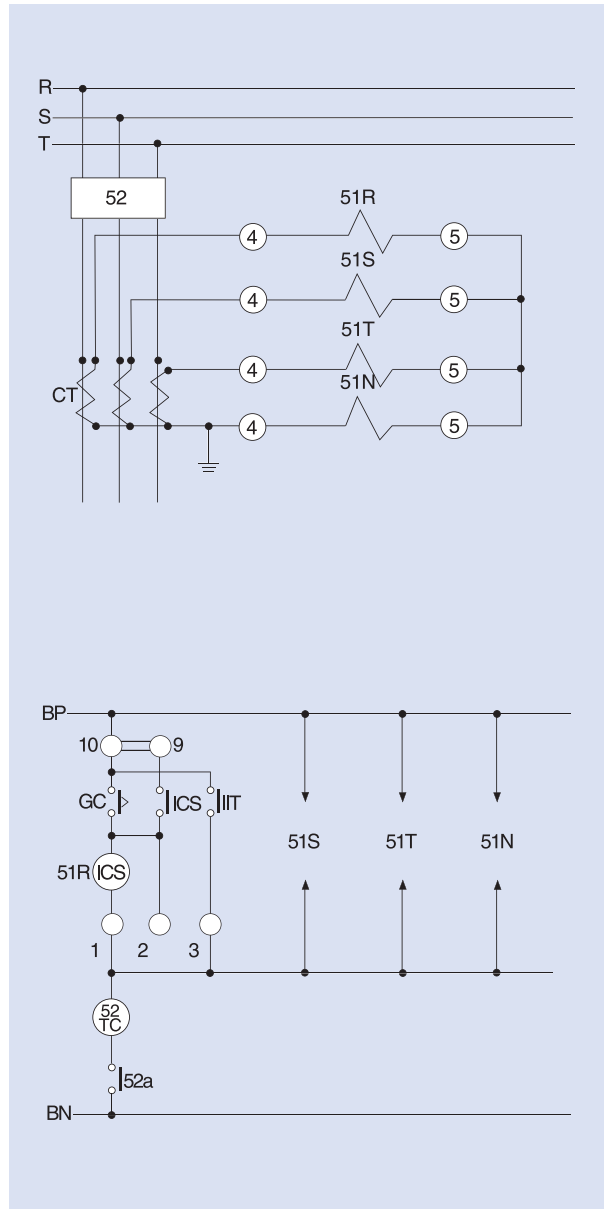
### ■ INTERNAL WIRING DIAGRAM



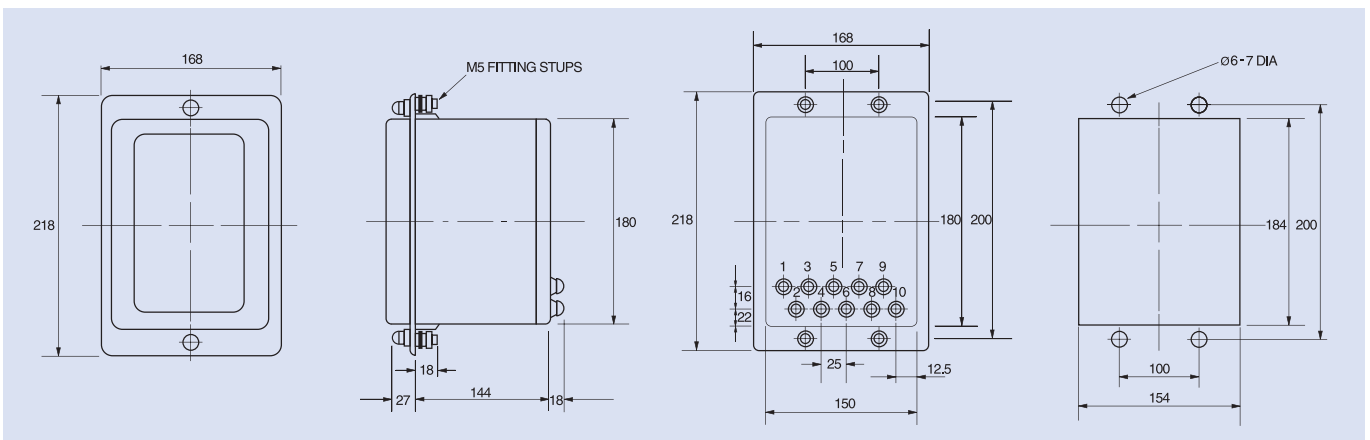
## TIME & CURRENT CHARACTERISTIC (Very Inverse)



## EXTERNAL WIRING DIAGRAM (3P4W)



## DIMENSION



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