

과전력 계전기 (Over Power Relay)

정정치 이상의 전력이 되면 일정시간 후 주접점을 닫고 차단기를 Trip시킵니다. 발전기 및 원동기의 과전력 보호에 적합합니다.

When power up over a given value, the main contact is closed after time delay. This relay is suitable for Generators and Motors protection of against over power.

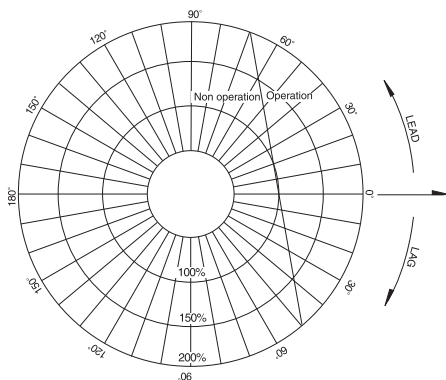
■ 주요사양 (Specification)

Type	Tap	Rating		ICS Unit(DC)	Figure	Weight(kg)
		Voltage	Current			
GPO - C1	50, 100, 150, 200, 250W	$110/\sqrt{3}$	5A	1.0A	Non - drawout Drawout	≒ 3.6
GPO - C2	100, 200, 300, 400, 500W	$220/\sqrt{3}$				
GPO - CD1	50, 100, 150, 200, 250W	$110/\sqrt{3}$		0.5 / 2.0A	Non - drawout Drawout	≒ 4.4
GPO - CD2	100, 200, 300, 400, 500W	$220/\sqrt{3}$				

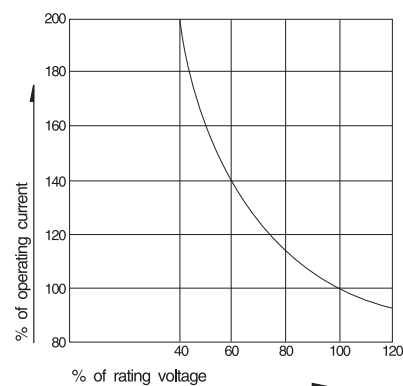
■ Option(ICS Unit)

Frequency	60Hz(standard) 50Hz(option)	Type of ICS coil	Rating
		DC current coil	0.2 / 2.0A, 0.5 / 2.0A, 1.0A
Color of case	Munsell No N 1.5	DC voltage coil	24V, 110V, 125V
		AC current coil	0.5A, 1.0A, 2.0A
		AC voltage coil	110V, 220V

■ 위상특성 (Phase Characteristics)

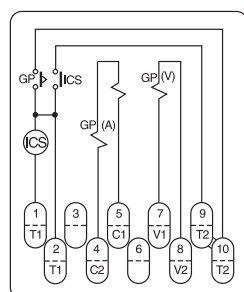


■ V-I Characteristics(최대감도각 LEAD 10°)

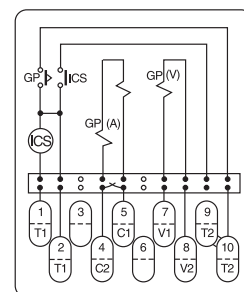


$$\text{Operating Current} = \frac{\text{Operation watt}}{\text{Rating Voltage} \times \cos \phi}$$

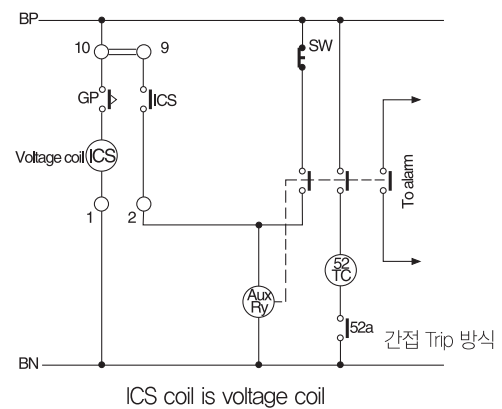
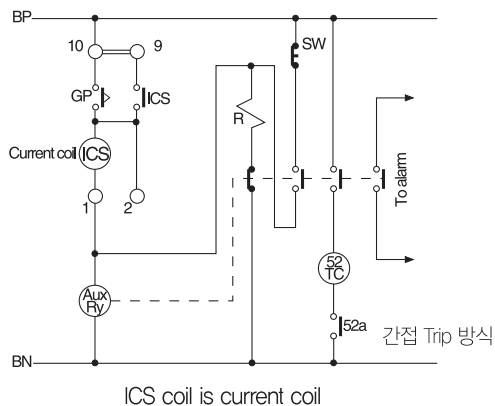
■ 내부결선 (Internal Connection)



Non-drawout Type

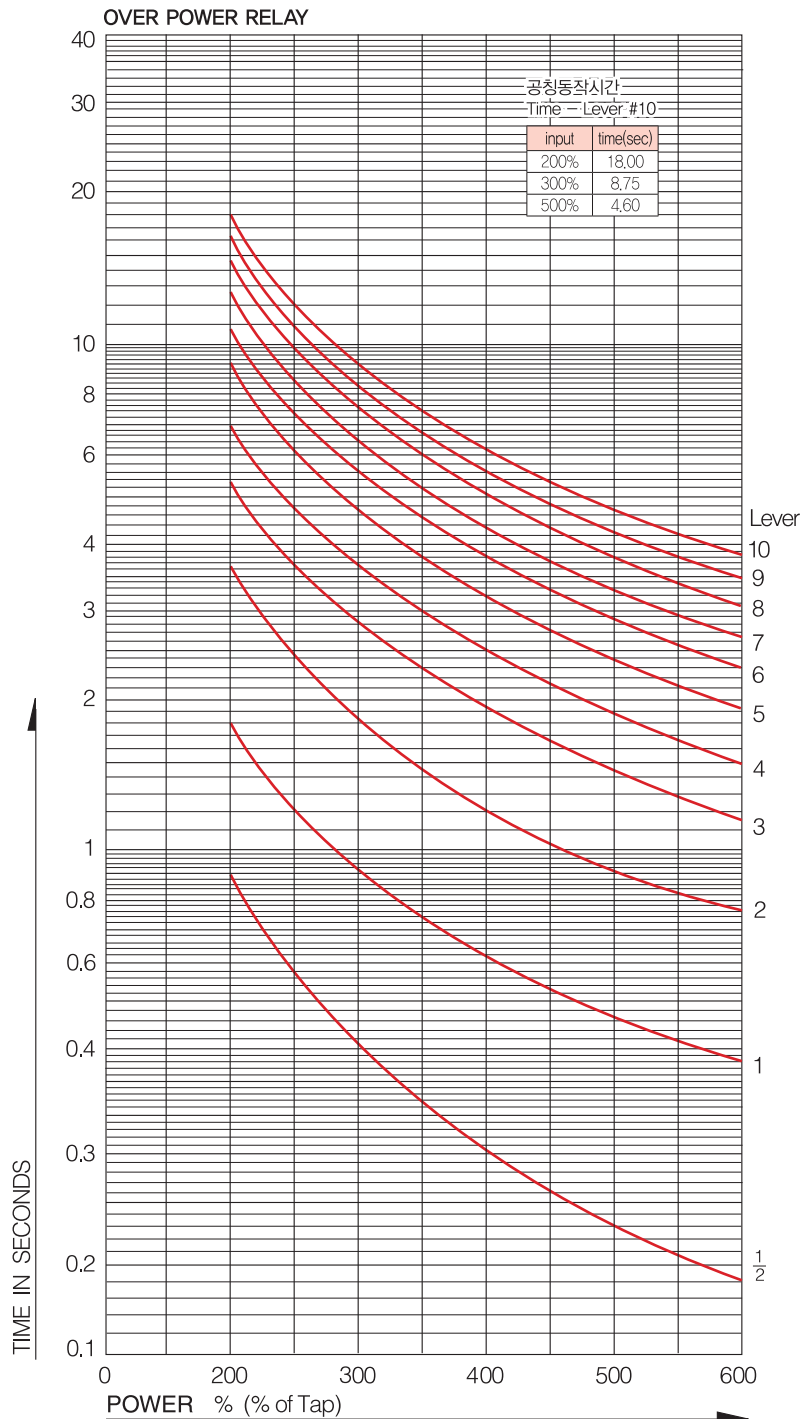


Drawout Type



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■ 동작특성곡선 (Operation Characteristics Curves)



■ 시한정정 Lever에 따른 오차 계산식

$n \leq 10$ 일 경우

$$\varepsilon = \frac{T_n - \frac{n}{10} T_{10}}{T_{10}} \times 100(\%)$$

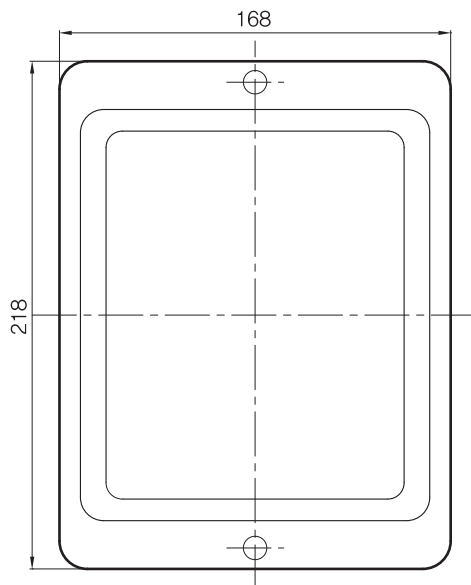
T_{10} : 기준 동작시간 정정에서의 공칭 동작시간

T_n : 동작시간정정 n 에서의 실측 동작시간

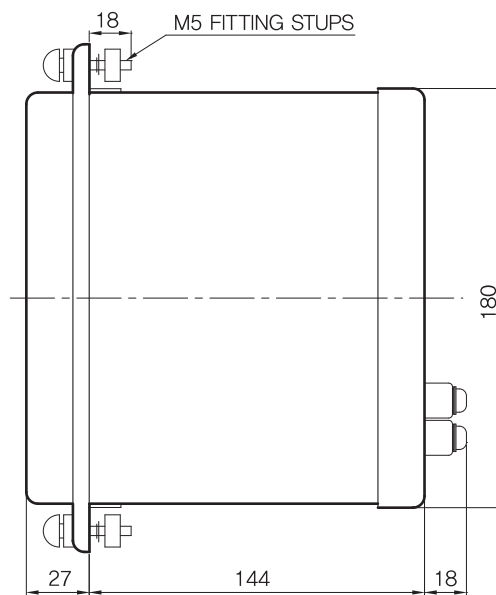
$$\text{단, } n = \frac{\text{동작시간정정}}{\text{기준동작시간정정}} \times 10$$

■ 외형치수 (Dimension)

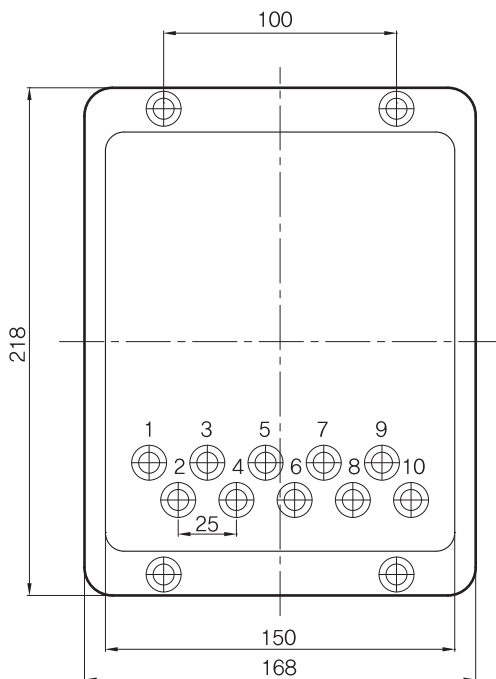
▣ 정면도



▣ 측면도



▣ 후면도



▣ Panel 가공치수

