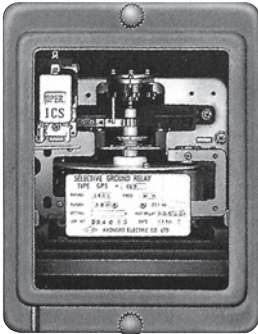


# 선택지락 계전기 Selective Ground Relay



## ■ Type : GPS-C

非接地系 配電線路의 地絡保護를 위해 零相電壓과 零相電流로 故障 配電線을 選擇하여 繼電器를 動作시켜 遮斷器를 Trip시킨다.

- 本 繼電器를 使用 時에 零相變流器는 JEC-1201의 定格 零相 1次電流 200mA 零相 2次電流 1.5mA의 特性으로 製作된 ZS □□□을 使用합니다.
- 配電盤의 震動, 衝擊 等에 의한 誤動作 防止를 위해 GVG型 地絡 過電壓繼電器 (OVGR)를 같이 使用하면 더욱 좋습니다.

This relay can distinguish ground faults by zero phase voltage(V0) and zero phase current(I0), and it operates with circuit breaker for protecting ground fault of distribution line.

Note 1 : When use relay, zero phase current transformer is used the type of ZS □□□ type, which is produced accordance with the JEC-1201. The rated primary and secondary current of zero phase current transformer are 200mA and 1.5mA

Note 2 : And it is good for preventing from mis-operation by the vibration, the shock to supply at electric power board that use with the GVG type of ground over voltage relay.

• DIMENSION Refer to page 235

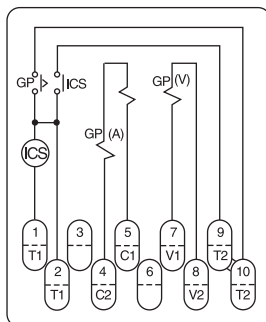
## ■ Specification

Tap Range	Rating (V)	min.P.U Current	ICS Unit(DC)	Figure	Weight (kg)
GPS - C1	110V	150mA	1.0A	Non - drawout	≒ 3.7
GPS - C9	190V				
GPS - CD1	110V		0.5 / 2.0A	Drawout	≒ 4.6
GPS - CD9	190V				

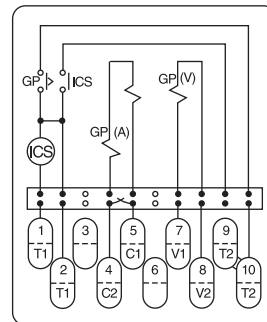
## Option(ICS Unit)

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

## ■ 내부결선 ( Internal Connection )

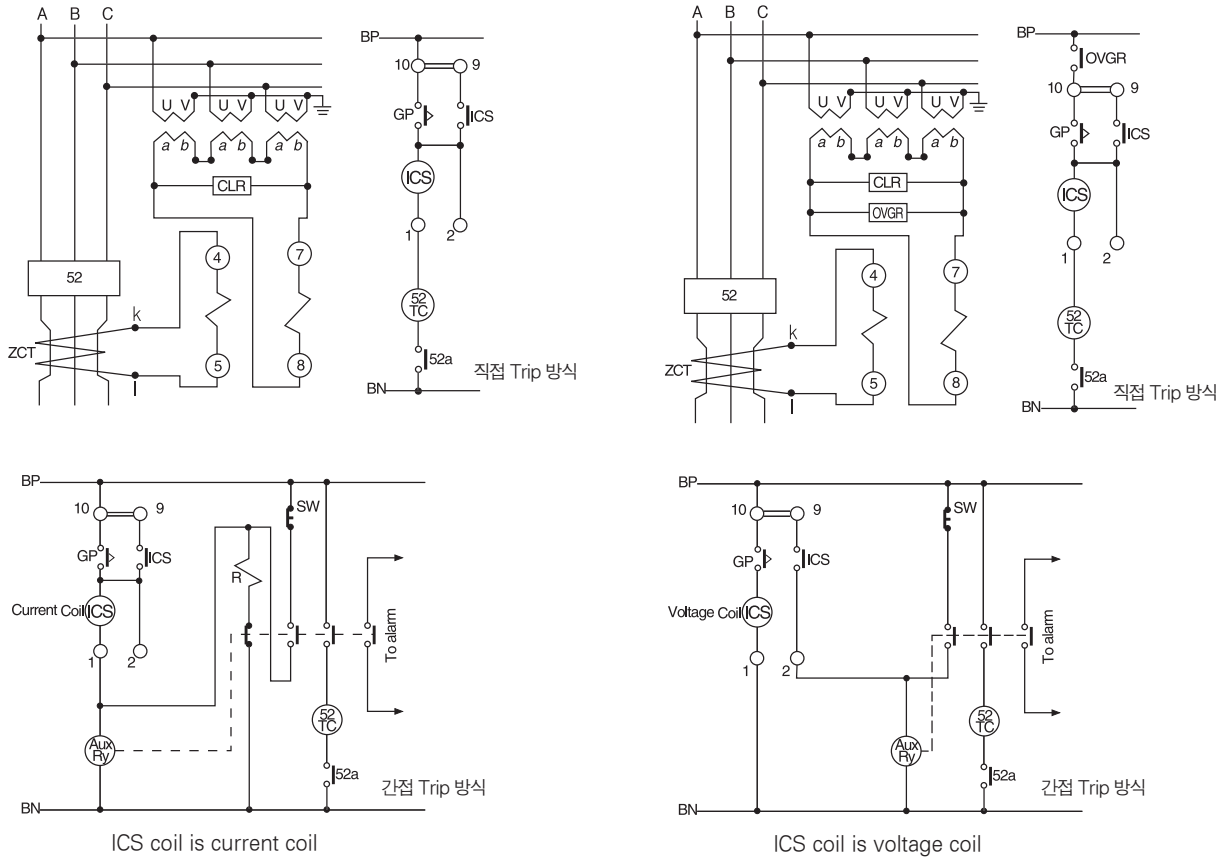


Non-drawout Type



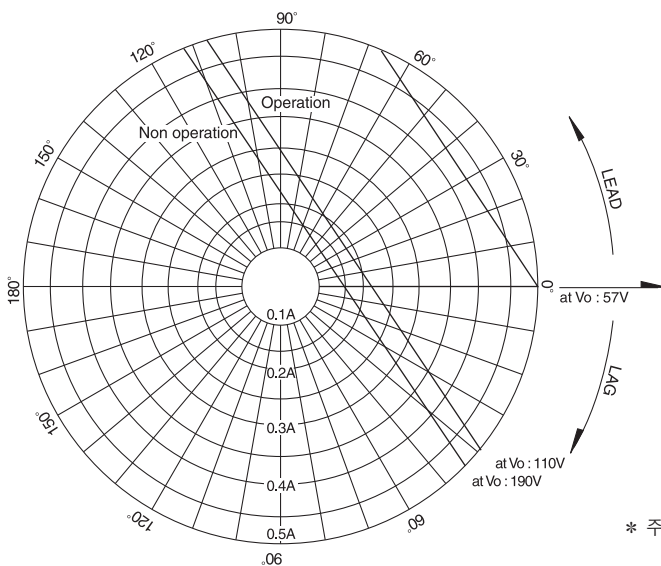
Drawout Type

## ■ 외부결선 ( External Connection )



주) Aux. Relay를 외부에 부착하여 TC를 Trip시킬 경우, Aux. Relay의 동작시간을 참고 바라며, Aux. Relay의 정격은 Aux Power(BP-BN)의 정격에 맞도록 선택하십시오.  
 - R값 선정은 Aux. Power가 DC110V일 경우  
 예) ICS코일 DC 1.0A는 50Ω / 30W 이상, DC 0.5A는 100Ω / 30W 이상을 권장함.

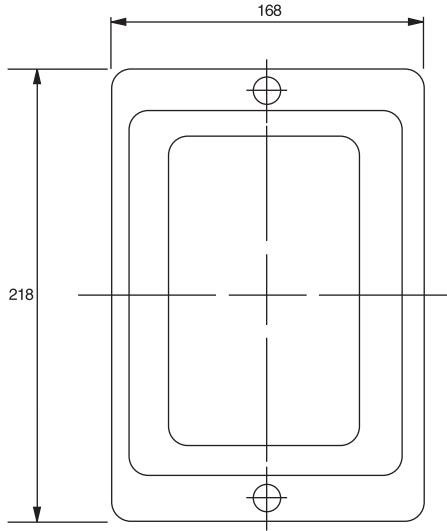
## ■ Phase Characteristics



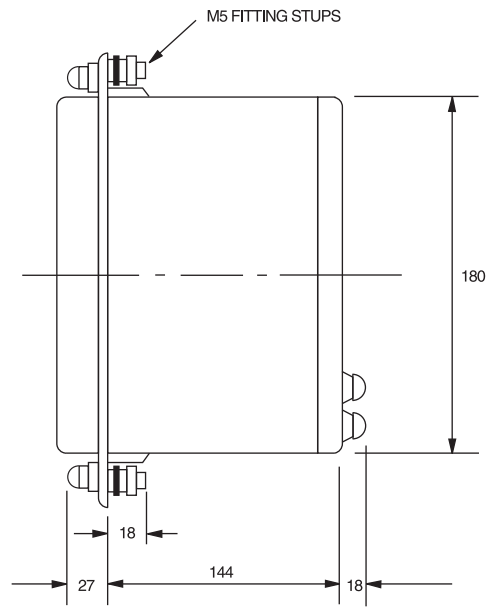
\* 주 : 본 SGR은 영상변류기(ZS □□□ Type)와 조합, 사용하십시오.  
 (200mA / 1.5mA 영상변류기)

■ Dimension

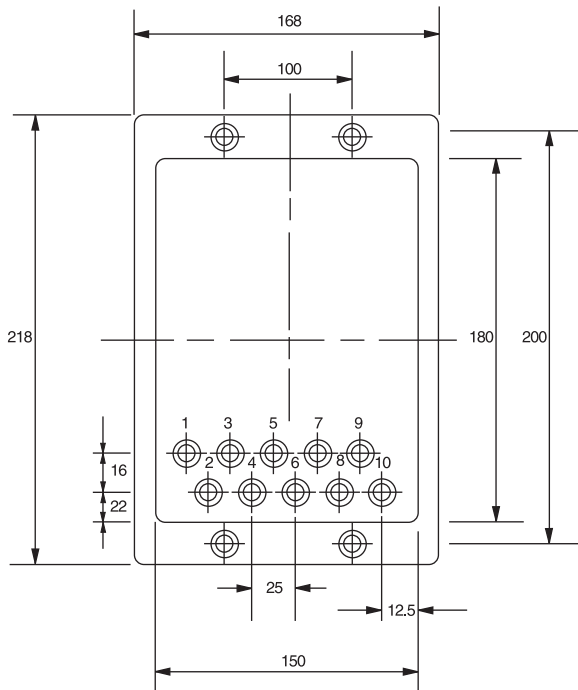
● 정면도



● 측면도



● 후면도



● Panel 가공치수

