

## 선택지락 계전기 (Selective Ground Relay)



비접지계통 배전선로의 지락보호를 위해 영상전압과 영상전류로 고장 배전선로를 선택하여 계전기를 동작시켜 차단기를 Trip시킵니다.

주1) 본 계전기를 사용 시에 영상변류기는 JEC-1201의 정격 영상 1차전류 200mA, 영상 2차 전류 1.5mA의 특성으로 제작된 ZS □□□을 적용합니다.

주2) 배전반의 진동, 충격 등에 의한 오동작 방지를 위해 GVG형 지락 과전압계전기 (OVGR)를 같이 사용하면 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 239

### ■ 주요사양 ( Specification )

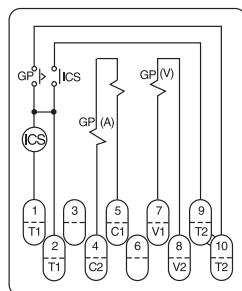
| Type      | Rating(V) | min.P.U Current | ICS Unit(DC) | Figure                | Weight(kg) |
|-----------|-----------|-----------------|--------------|-----------------------|------------|
| GPS - C1  | 110V      | 150mA           | 1.0A         | Non-Drawout<br>(비인출형) | ≒ 3.7      |
| GPS - C9  | 190V      |                 |              |                       |            |
| GPS - CD1 | 110V      |                 | 0.5 / 2.0A   | Drawout<br>(인출형)      | ≒ 4.6      |
| GPS - CD9 | 190V      |                 |              |                       |            |

### ■ Option(ICS Unit)

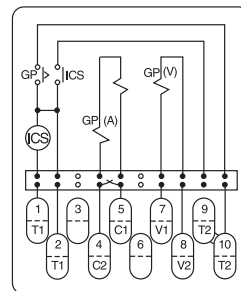
|               |                                |
|---------------|--------------------------------|
| Frequency     | 60Hz(standard)<br>50Hz(option) |
| Color of case | Munsell No N 1,5               |

| 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                   |

### ■ 내부결선 ( Internal Connection )

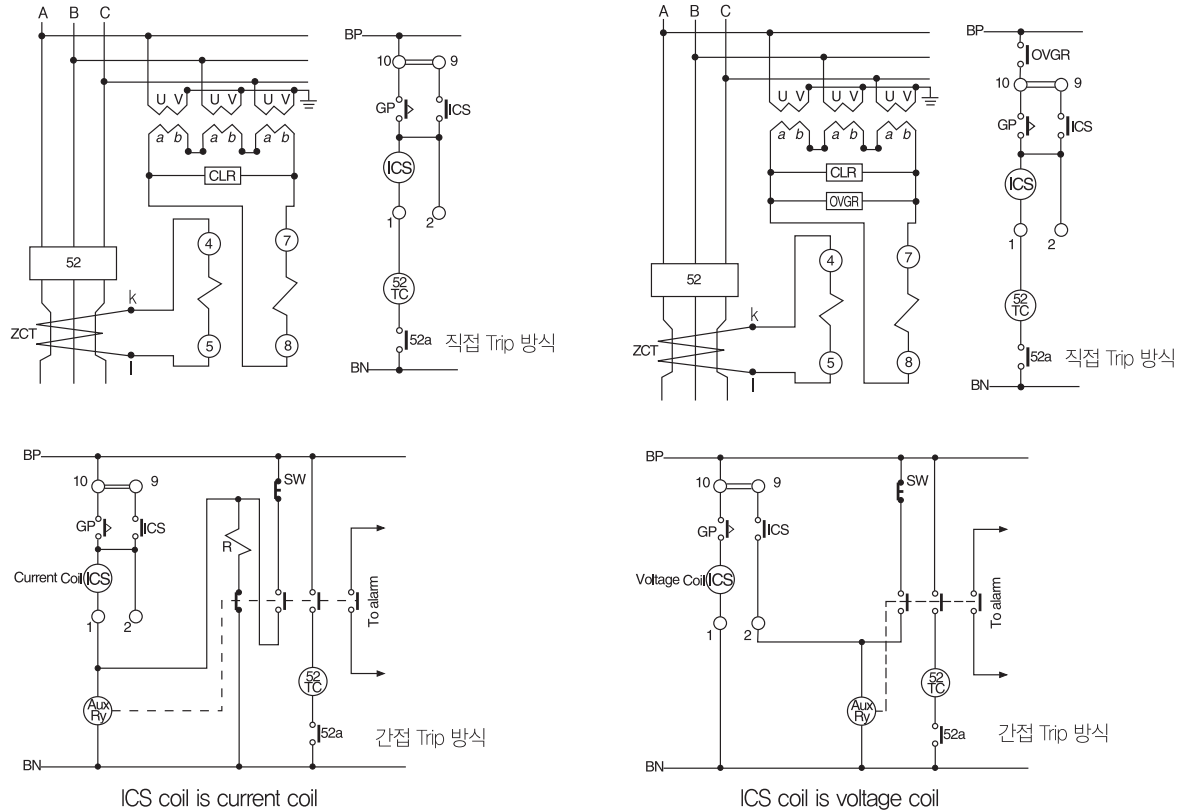


Non-drawout Type



Drawout Type

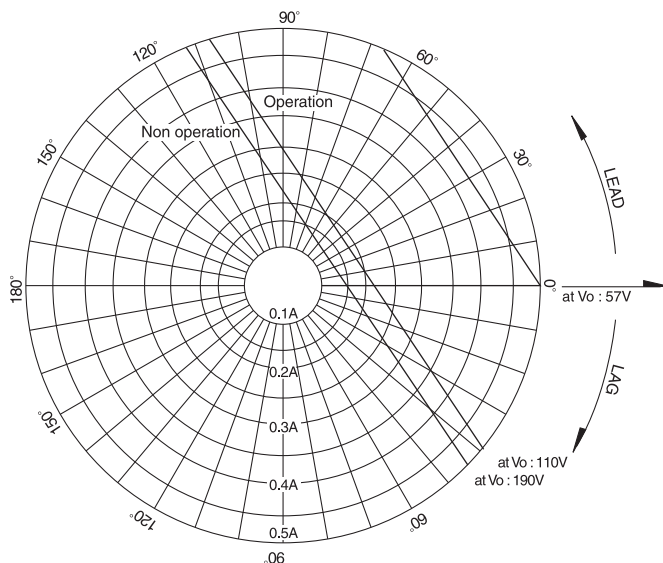
## ■ 외부결선 ( External Connection )



주) Aux. Relay를 외부에 부착하여 TC를 Trip시킬 경우, Aux. Relay의 동작시간을 참고 바라며, Aux. Relay의 정격은 Aux Power(BP-BN)의 정격에 맞도록 선택 하십시오.  
 - R값 선정은 Aux. Power가 DC110V일 경우

예) ICS코일 DC 1.0A는 50Ω / 30W 이상, DC 0.5A는 100Ω / 30W 이상을 권장합니다.

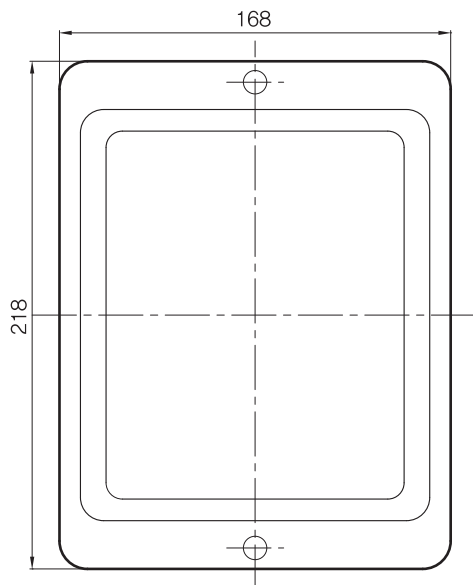
## ■ 위상특성 ( Phase Characteristics )



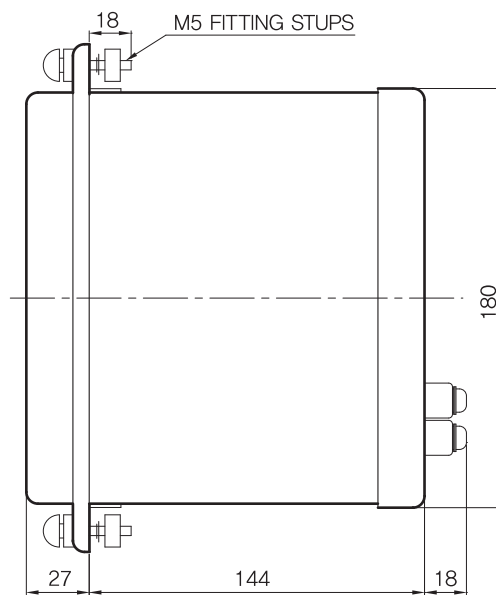
※ 주 : 본 SGR은 영상변류기(IZ □□□ Type)와 조합, 사용하십시오.  
 (200mA / 1.5mA 영상변류기)

## ■ 외형치수 (Dimension)

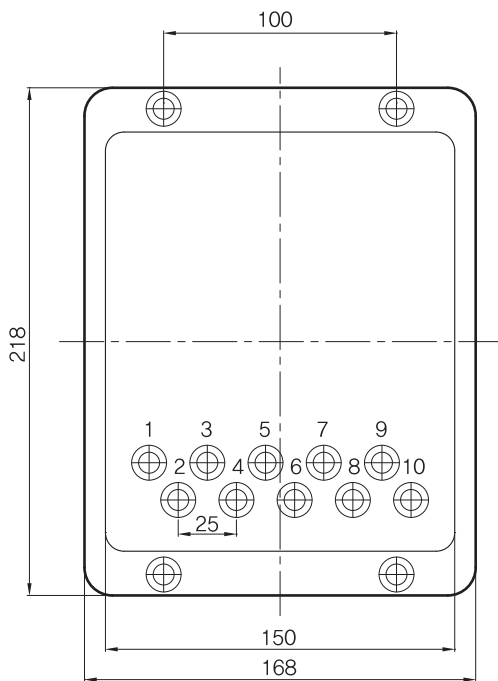
▣ 정면도



▣ 측면도



▣ 후면도



▣ Panel 가공치수

