

# Instrument Transformers

## Current Transformer (12kV)



- 일반 계기 및 보호계전기용  
(For Metering & Protection)
- 옥내용 (For Indoor)
- 1차 케이블 또는 부스바 관통형  
(For Cable or Bus-bar Through Type)
- 에폭시 몰드형으로 절연특성 강화  
(Insulation : Epoxy Vacuum Molding)

### ■ 계기용 ( For Metering )

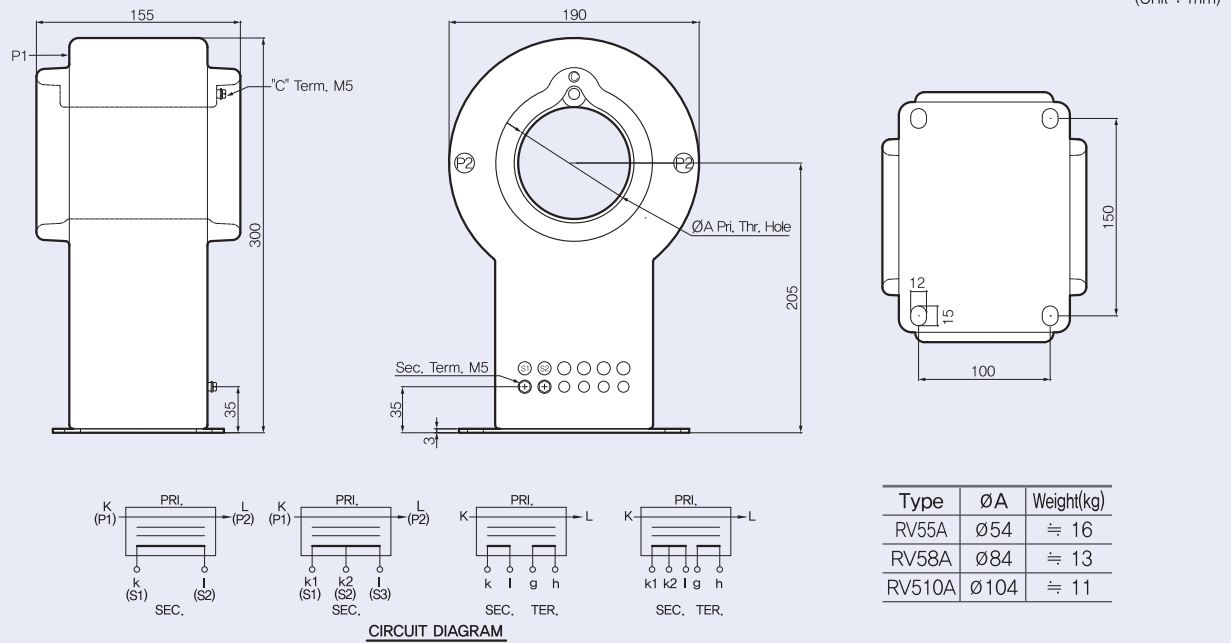
| Type                             | R V 5 □ A                |                |
|----------------------------------|--------------------------|----------------|
| Standard                         | KS C 1706                | IEC 61869-2    |
| Max. Voltage                     | 11.5kV                   | 12kV           |
| Insulation Level                 | 11.5 / 28 / 75kV (10B)   | 12 / 28 / 75kV |
| Short time Current Max. kA       | 40In ~ 40kA / 1sec.      |                |
| Rated Secondary Current          | 5 or 1A                  |                |
| Rated Burden                     | 15 ~ 40VA                |                |
| Accuracy Class                   | 1.0                      |                |
| Rated Continuous Thermal Current | 1.2In                    |                |
| Frequency                        | 60Hz (Others on request) |                |

### ■ 계전기용 ( For Protection )

| Type                             | R V 5 □ R A              |                |
|----------------------------------|--------------------------|----------------|
| Standard                         | JEC 1201                 | IEC 61869-2    |
| Max. Voltage                     | 11.5kV                   | 12kV           |
| Insulation Level                 | 11.5 / 28 / 75kV         | 12 / 28 / 75kV |
| Short time Current Max. kA       | 40In ~ 40kA / 1sec.      |                |
| Rated Secondary Current          | 5 or 1A                  |                |
| Rated Burden                     | 15 ~ 40VA                |                |
| Accuracy Class                   | 1P                       | 5P, 10P        |
| Over Current Factor              | n>10 or 20               | n>10 or 20     |
| Rated Continuous Thermal Current | 1.0In                    | 1.2In          |
| Frequency                        | 60Hz (Others on request) |                |

※ IEEE C57.13 규격에 의한 제품의 생산이 가능하며, 계급, 부담, 과전류 정수 등의 사양 변경에 따라 다양한 생산도 가능합니다.  
Can manufacture the products based on IEEE C57.13 standards, and also Can manufacture the various products by change of specification, such as the Accuracy class, Burden and Over-current factor.

## ■ 외형 치수 ( Dimension )



※ 1차 관통 도체가 나도체일 경우에 상단의 'C' 단자와 1차 관통 도체를 연결하십시오.

The 'C' terminal is connected with the primary bus-bar (high Voltage Conductor), in case of the primary bus-bar is the bare conductor

# Instrument Transformers

## ■ 주요 사양 ( Specification )

### ■ RV55A Series

| Service              | Type     | Current Ratio (A)                | KS C 1706 |        | JEC 1201 |        |       | IEC 61869-2 |        |       | Remark                       |
|----------------------|----------|----------------------------------|-----------|--------|----------|--------|-------|-------------|--------|-------|------------------------------|
|                      |          |                                  | Class     | Burden | Class    | Burden | n>    | Class       | Burden | n>    |                              |
| Metering<br>(계기용)    | RV55A    | 150 ~ 2000 / 5                   | 0.5       | 15     | —        | —      | —     | 0.5         | 15     | —     | Single Ratio                 |
|                      | RV55DA   | 300,150 ~ 2000,1000 / 5          | 1.0       | 40     | —        | —      | —     | 1.0         | 30     | —     | Double Ratio                 |
| Protection<br>(계전기용) | RV55RA   | 120 ~ 2000 / 5                   | —         | —      | 1P       | 15     | 10    | 5P/10P      | 15     | 10    | Single Ratio                 |
|                      |          | 300 ~ 2000 / 5                   | —         | —      | 1P       | 40     | 10    | 5P/10P      | 30     | 10    |                              |
|                      |          |                                  | —         | —      | 1P       | 15     | 20    | 5P/10P      | 15     | 20    |                              |
|                      | RV55DRA  | 200,100 ~ 2000,1000 / 5          | —         | —      | 1P       | 15     | 10/5  | 5P/10P      | 15     | 10/5  | Double Ratio                 |
|                      |          | 300,150 ~ 2000,1000 / 5          | —         | —      | 1P       | 40     | 10/5  | 5P/10P      | 30     | 10/5  |                              |
|                      |          |                                  | —         | —      | 1P       | 15     | 20/10 | 5P/10P      | 15     | 20/10 |                              |
|                      | RV55RAT  | 400 ~ 600 / 5<br>100 / 5         | —         | —      | 1P/5G    | 40/15  | 10    | —           | —      | —     | 3'ry Winding<br>Single Ratio |
|                      | RV55DRAT | 400,200 ~ 600,300 / 5<br>100 / 5 | —         | —      | 1P/5G    | 40/15  | 10/5  | —           | —      | —     | 3'ry Winding<br>Double Ratio |

### ■ RV58A Series

| Service              | Type     | Current Ratio (A)                 | KS C 1706 |        | JEC 1201 |        |       | IEC 61869-2 |        |       | Remark                       |
|----------------------|----------|-----------------------------------|-----------|--------|----------|--------|-------|-------------|--------|-------|------------------------------|
|                      |          |                                   | Class     | Burden | Class    | Burden | n>    | Class       | Burden | n>    |                              |
| Metering<br>(계기용)    | RV58A    | 250 ~ 3000 / 5                    | 0.5       | 15     | —        | —      | —     | 0.5         | 15     | —     | Single Ratio                 |
|                      | RV58DA   | 500,250 ~ 3000,1500 / 5           | 1.0       | 40     | —        | —      | —     | 1.0         | 30     | —     | Double Ratio                 |
| Protection<br>(계전기용) | RV58RA   | 250 ~ 3000 / 5                    | —         | —      | 1P       | 15     | 10    | 5P/10P      | 15     | 10    | Single Ratio                 |
|                      |          | 600 ~ 3000 / 5                    | —         | —      | 1P       | 40     | 10    | 5P/10P      | 30     | 10    |                              |
|                      |          |                                   | —         | —      | 1P       | 15     | 20    | 5P/10P      | 15     | 20    |                              |
|                      | RV58DRA  | 300,150 ~ 3000,1500 / 5           | —         | —      | 1P       | 15     | 10/5  | 5P/10P      | 15     | 10/5  | Double Ratio                 |
|                      |          | 600,300 ~ 3000,1500 / 5           | —         | —      | 1P       | 40     | 10/5  | 5P/10P      | 30     | 10/5  |                              |
|                      |          |                                   | —         | —      | 1P       | 15     | 20/10 | 5P/10P      | 15     | 20/10 |                              |
|                      | RV58RAT  | 750 ~ 1000 / 5<br>100 / 5         | —         | —      | 1P/5G    | 40/15  | 10    | —           | —      | —     | 3'ry Winding<br>Single Ratio |
|                      | RV58DRAT | 800,400 ~ 1000,500 / 5<br>100 / 5 | —         | —      | 1P/5G    | 40/15  | 10/5  | —           | —      | —     | 3'ry Winding<br>Double Ratio |

## ■ RV510A Series

| Service              | Type     | Current Ratio (A)        | KS C 1706 |        | JEC 1201 |        |       | IEC 61869-2 |        |       | Remark       |
|----------------------|----------|--------------------------|-----------|--------|----------|--------|-------|-------------|--------|-------|--------------|
|                      |          |                          | Class     | Burden | Class    | Burden | n>    | Class       | Burden | n>    |              |
| Metering<br>(계기용)    | RV510A   | 400 ~ 3000 / 5           | 0.5       | 15     | —        | —      | —     | 0.5         | 15     | —     | Single Ratio |
|                      | RV510DA  | 800,400 ~ 3000,1500 / 5  | 1.0       | 40     | —        | —      | —     | 1.0         | 30     | —     | Double Ratio |
| Protection<br>(계전기용) | RV510RA  | 400 ~ 3000 / 5           | —         | —      | 1P       | 15     | 10    | 5P/10P      | 15     | 10    | Single Ratio |
|                      |          | 1200 ~ 2500 / 5          | —         | —      | 1P       | 40     | 10    | 5P/10P      | 30     | 10    |              |
|                      |          |                          | —         | —      | 1P       | 15     | 20    | 5P/10P      | 15     | 20    |              |
|                      | RV510DRA | 400,200 ~ 3000,1500 / 5  | —         | —      | 1P       | 15     | 10/5  | 5P/10P      | 15     | 10/5  | Double Ratio |
|                      |          | 1200,600 ~ 2500,1250 / 5 | —         | —      | 1P       | 40     | 10/5  | 5P/10P      | 30     | 10/5  |              |
|                      |          |                          | —         | —      | 1P       | 15     | 20/10 | 5P/10P      | 15     | 20/10 |              |