STATIC PHASE OPEN RELAY [47+27]

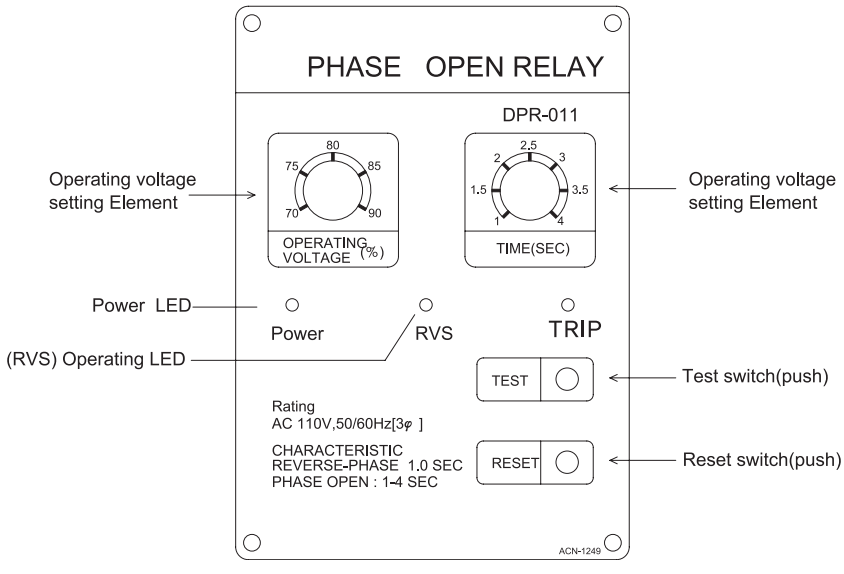
DPR–011D, 019D

Characteristics

- The relay is best suitable for back up protection reserve against loss and damage caused by open phase in power system and applicable to both high and low voltage without requiring power source. It offers wiring convenience since it is driven by detecting voltage
- When a phase open is detected, indicator lamp(LED) is turned on for the phase line so that the fault line is identified visibly.
- It will not operate when 3 phase line power is not available.

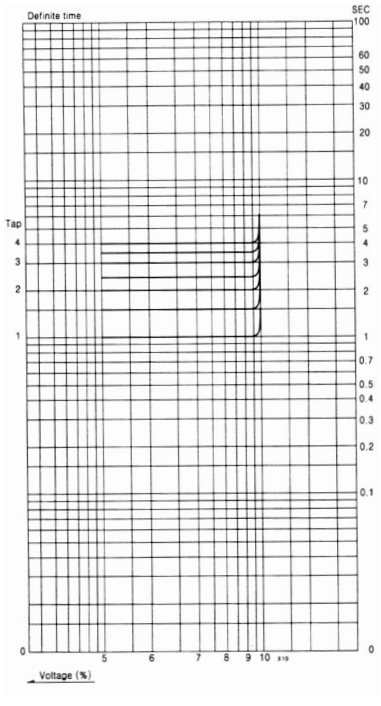
Front plate

DDR–Series



Operating time

DDR–Series



DPR-011D(Draw out)
DPR-019D(Draw out)

Specifications

■ **Rating**

Rated Voltage	AC 110V/190V
Frequency	50/60㎐
Auxiliary Voltage	Non Power
Ambient temperature	-10℃ to 60℃(with no icing)

■ **Under Voltage setting**

Rated voltage setting	70~90%, ±10%

■ **Open and Under voltage time setting difinite time**

Setting tap	1~4sec±10%

■ **Reverse**

Operating time	Less than 1sec
Degree Protetion	IP52

■ **Burden**

Rated burden	1VA

■ **Contact**

Out put Relay		Trip 1c, Alarm 1c
Trip & Alarm contact capacity		
	Make	AC 240V 10A(L/R=0ms)
		DC 1000W 0.5Sec(L/R=0ms)
	Break	AC 240V 3A(L/R=0ms)
		DC 30W 0.5Sec(L/R=0ms)

■ **Indicator**

Operating RVS	LED(YEL)
Trip	LED(RED)
Resetting	Manual Reset(Indicator)

■ **Vibration resistance**

Malfunction:	10㎐ 5mm double amplitude 30s each in X and Y directions
	16.7㎐ 2.5mm double amplitude 600s each in X,Y and Z directions

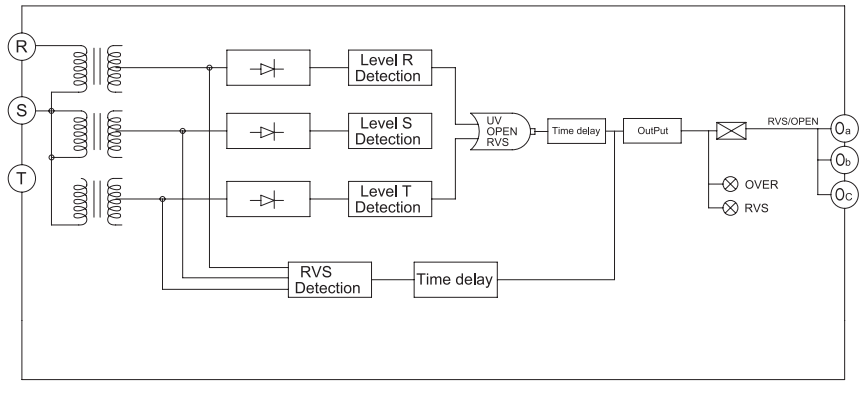
■ Shock resistance

Destruction;	300㎳ (approx. 30G) 3 time each in 3 directions

■ **Insulation to IEC 255**

Dielectric withstand	2kV for 1 minute between all terminals and case earth
Insulation resistance at	500V 〉 100㏁
Impluse Voltage Withstand	5kV-1.2/50 ㎲
Surge transient simulator	2.5kV 1MHz/200Ω
Weight	2.2kg

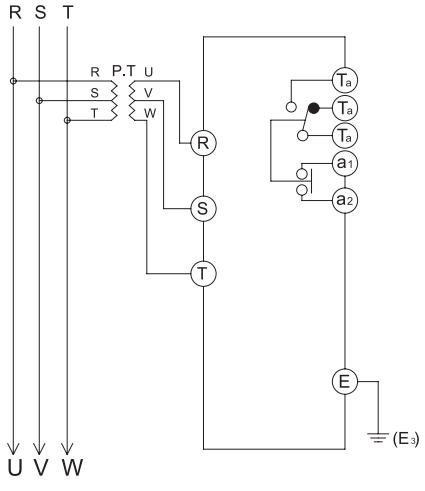
Block diagram



STATIC PHASE OPEN RELAY [47+27]

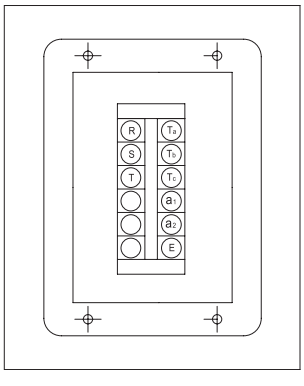
Wiring

(DRP–serise)



Terminal arrangement

Draw out



Dimension

Digital type draw out

Case : ABS(Non flamable)
Color : Black(N1.5)

Cutting Size: 165 X 122mm