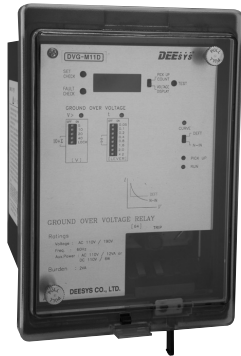


# GROUND OVER VOLTAGE RELAY[64]

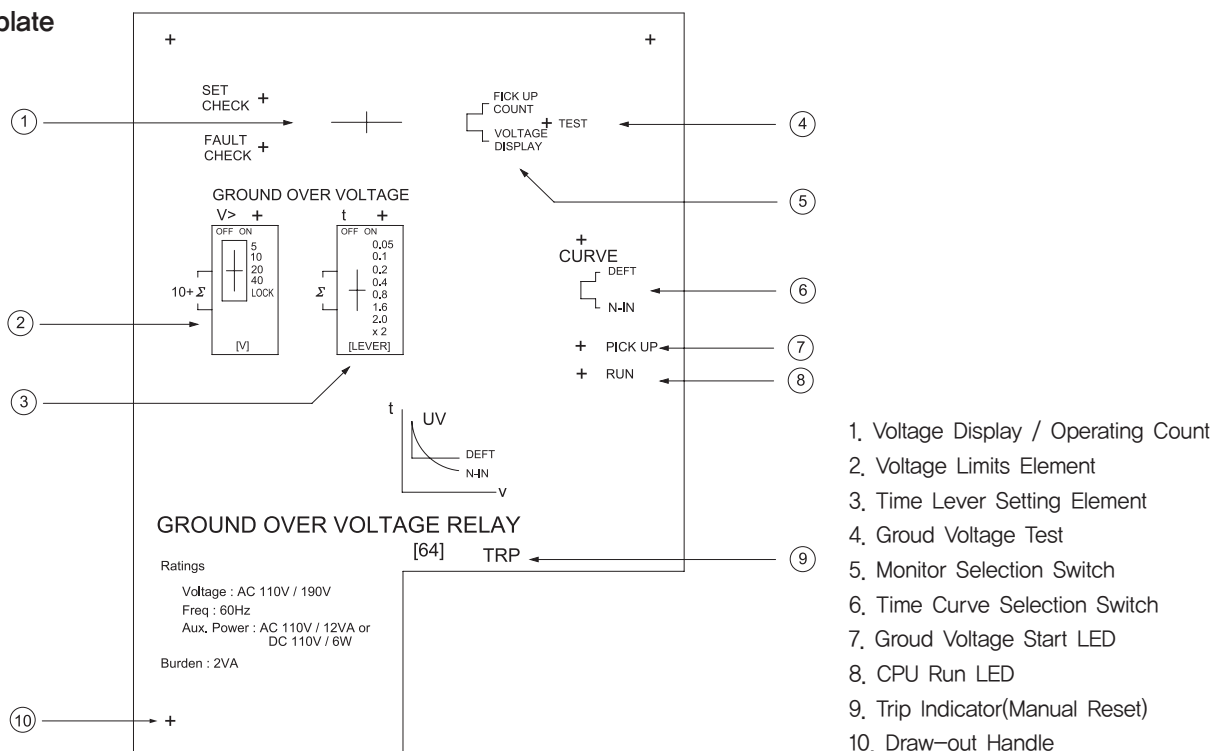
DVG-M11D



## Characteristics

- The relay is used in non-grounded power system of distribution lines of power station for the purpose of tripping circuit breaker through the use of GPT.
- As it is operated by detecting ground fault from third end of GPT, no concern for malfunction caused by static capacity of cable to ground.
- It is economical to use as modest power dissipation form PT. Accordingly smaller current limiting resistor(W) will be required.
- Since the operation is highly sensitive, it is adequate for use in detection grounding fault of generators.
- Target shall show the fault condition accurately.

## Front plate



# GROUND OVER VOLTAGE RELAY[64]

DVG-M11D (Draw out)

IEC255 JEC 2500, 2511



## Specifications

### ■ Model

DVG-M11D(Draw out)

### ■ Rating

Rated Voltage AC 110V/190V  
 Frequency 60/50Hz±5%  
 Auxiliary Voltage AC/DC 110V(86~260V)  
 Ambient temperature -10°C to 60°C(with no icing)

### ■ Voltage setting

Over Voltage range 10~85(steps of 5V)

### ■ Time setting

Over Voltage time tap 0.05~10.3lever(steps of 0.05)  
 0.05sec±25ms, 0.1~10sec±10%  
 Resetting Value >90%  
 Reset time Less than 100ms

### ■ Burden

Over Voltage Less than 2VA  
 Aux. Voltage 10VA(AC), 6W(DC)

### ■ Contact

Out put Relay Trip 1c, Alarm 1a  
 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 start LED(Red)  
 Operating(trip) Target(Manual Reset)

### ■ Operating time

Over Voltage Inverse or definite time  
 Degree Protection IP 52

### ■ Vibration resistance

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

### ■ Shock resistance

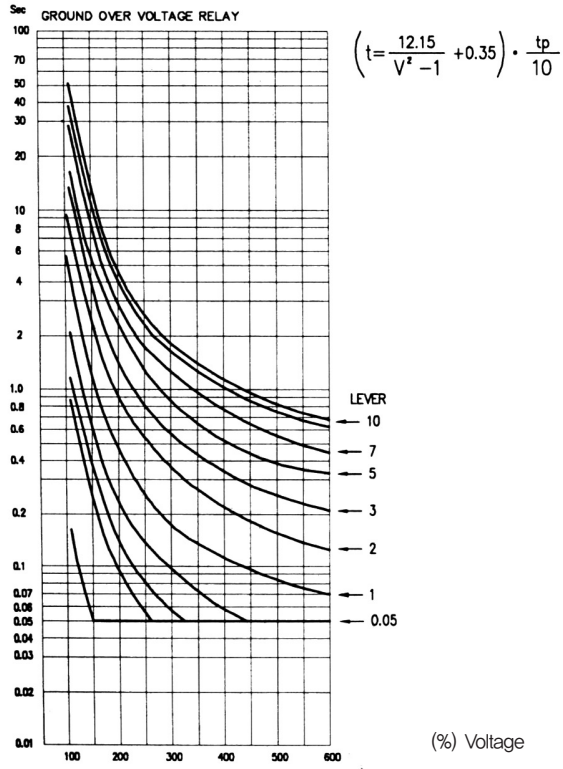
Destruction; 300% $\epsilon$ (approx. 30G) 3 time each  
 in 3 directions

### ■ Insulation to IEC 255

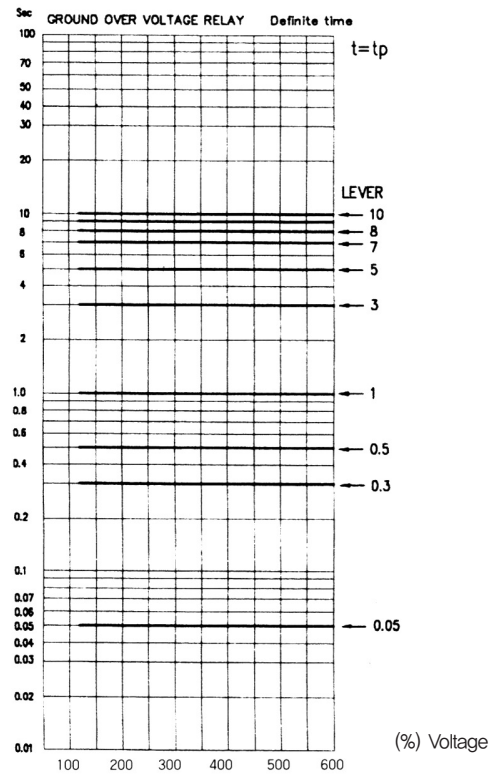
Dielectric withstand 2kV for 1 minute between  
 all terminals and case earth  
 Insulation resistance at 500V > 100M $\Omega$   
 Impluse Voltage Withstand 5kV-1.2/50  $\mu$ s  
 Surge transient simulator 2.5kV 1MHz/200 $\Omega$   
 Weight 2.0kg

## Operating time curves

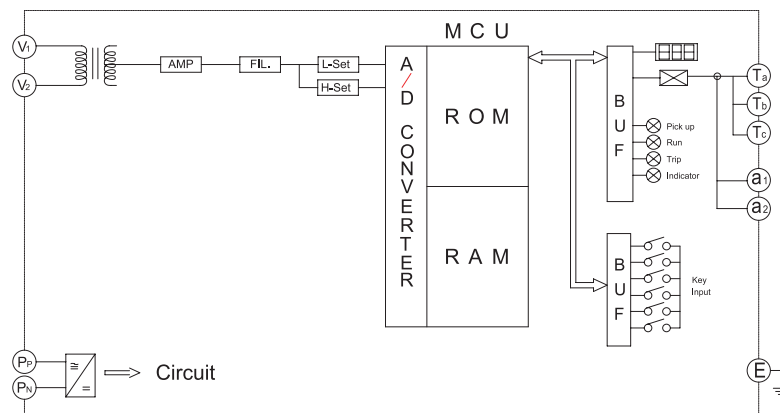
(Inverse time)



(Definite time)

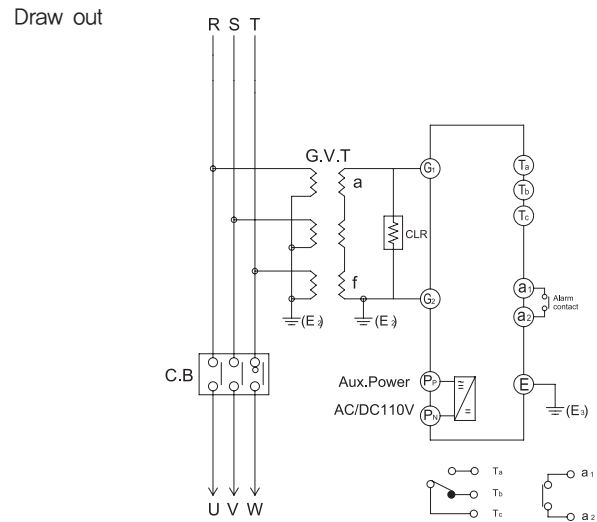


## Block diagram

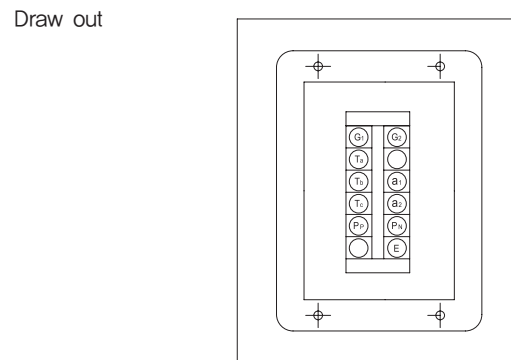


# GROUND OVER VOLTAGE RELAY[64]

## Wiring



## Terminal arrangement



## Dimension

