

Directional Ground Relay [67G] / Ground Over Voltage Relay [64] DGR(SGR) DGR/OVGR



● Feature

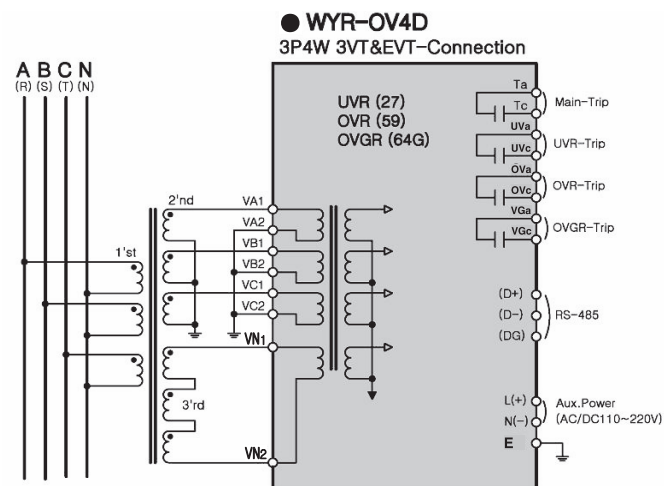
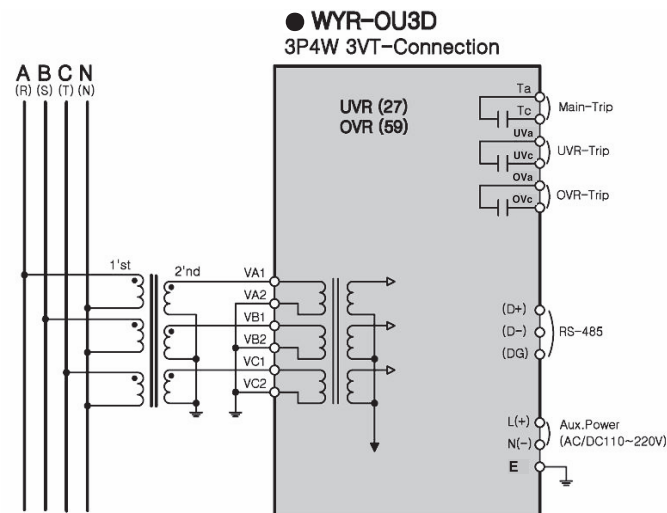
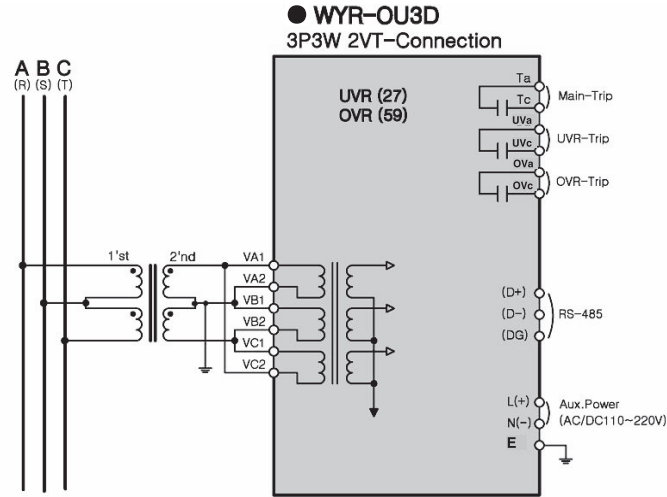
- Fault Memory : Operating Current, Operating Time
- Element : DGR(67G)/OVGR(64)
- Time Curve : Normal Inverse, Definite Time
- Communication : RS-485 (Modbus Protocol)
- Aux. Power : AC/DC(110~240V) Free Voltage

● Specifications

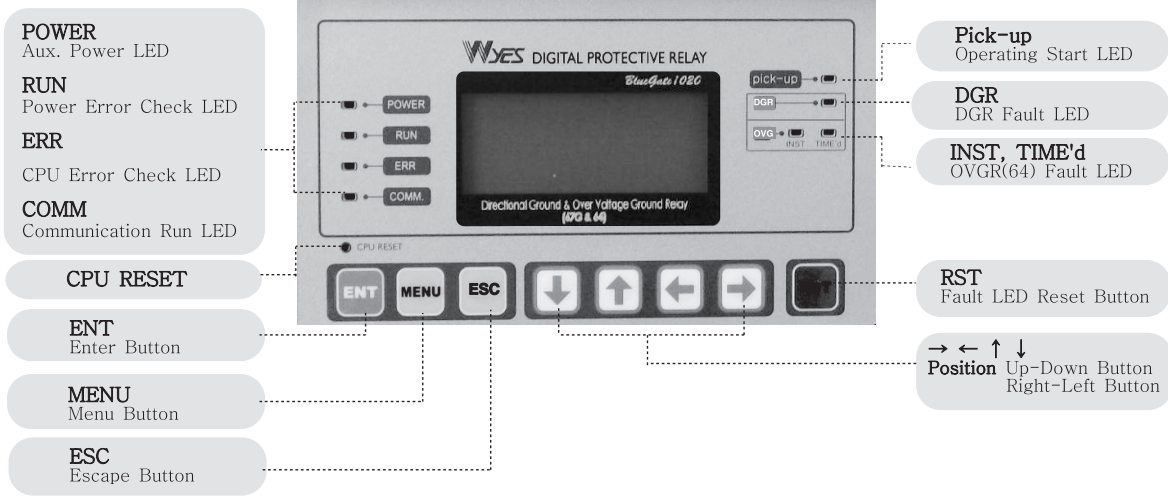
TYPE	WYR-DG2DC		
Element [ANSI Code]	DGR(67G) / OVGR(64)		
Standard	IEC 60255, KEMC1120		
Rating	DGR → I _o : 200mA / 1.5mA, V _o : AC190V, OVGR → AC190V		
Aux. Power	AC / DC 110 ~ 240V(Free Voltage DC 110 / 220V / 5W), 50,60Hz		
Function	DGR (SGR)	Set - Current	LOCK, 0.9mA ~ 10mA(0.02mA Step), Accuracy : ±5% of Set Value
		Set - Voltage	LOCK, 7.5V ~ 100V(2.5V Step), Accuracy : ±5% of Set Value
		Phase Angle Setting	45° at ±90°(0 ~ 90° 1° Step), Accuracy : ±5% of Set Value
	Operating Time	Time Curve	DT(Definite time) 0.1 ~ 20s(0.1 Step)
	OVGR	Set-Voltage(순시)	LOCK, 100V ~ 190V(2.5V Step), Accuracy : ±5% of Set Value
		Operating Time (Instantaneous 순시)	Set Value : <40ms (Instantaneous)
	OVGR	Set-Voltage(OVG)	LOCK, 10V ~ 100V(2.5V Step), Accuracy : ±5% of Set Value
		Time Curve	NI(Normal inverse time), DT(Definite time) 0.1 ~ 20s(Step)
	Time Lever		0.1 ~ 20 (0.1 Step)
	Reset	Auto.	Reset Value : >95%
Contact	Trip Relay		1a, AC250V / 10A
	Fault Relay		1a, AC250V / 10A
Thermal Withstand Capability	Continuous 10A (2 Times of Rated Current)		
	10s 100A (20 Times of Rated Current)		
	1s 200A (40 Times of Rated Current)		
Insulation Resistance	DC500V Megger : >100MΩ(IEC 600255-5)		
Dielectric Withstand	AC2kV for 1 minute (IEC 600255-5)		
Impulse Voltage Withstand	5kV - 1.2 / 50μs (IEC 600255-5)		
Burden	Zero Phase Current(ZCT 200 / 1.5mA) : 10Ω, Zero Phase Voltage (EVT / 190V) : <0.5VA Ground Over Voltage (EVT . 190V) : <0.5VA		
Shock Resistance	Approx. 30G 3Times Each in 3 Directions		
Vibration Resistance	30Hz 0.4mm Double Amplitude 600s Each in X,Y and Z Directions		
Operating Temperature	-10 ~ 55°C		
Storage Temperature	-20 ~ 70°C		
Degree Protection	IP52		
LCD Display	LCD(4 x 20): 3Phase Current, Time Curve, Line Current, Fault Memory, CPU Version-up Display		
Indicator LED	Power, RUN, Operating Start, Instantaneous Fault, Over Current Fault		
Communication	RS-485 Modbus Protocol (Baud Rate : 9600 / 19200 / 38400bps)		
Key(Button)	Reset, Enter, Setting, Memory Check		
Size(W x H x D)	200 x 115 x 160(mm)		
Weight	1.2kg		

TRANS=NCCT
리액터
무정전압릴레이
전력조정기
스위칭파워
노이즈필터
하모닉필터
서지보호기
보호계전기
누전경보기
영상변류기
판넬메타
계기용변성기
선풍팬

● External Wiring Diagram



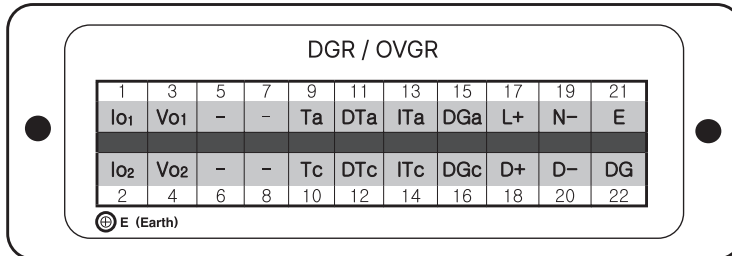
Name of Part



Fault Indicator (LED)

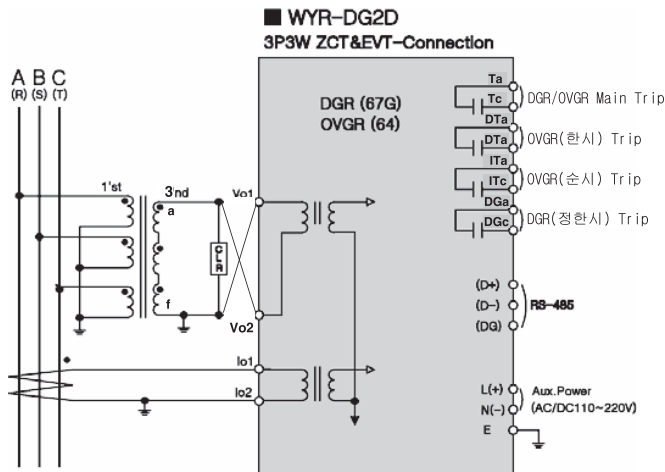
Element	Fault Indicator (LED Lamp)		
	DGR	OVGR	
Part	DGR	INST.	TIME'd
DGR	■		
OVGR		■	■

Terminal arrangement



- Vo1 / Vo2 : EVT Input · Io1/Io2 : ZCT Input
- Ta/Tc : DGR/OVGR Main Trip Contact
- DTa/DTc : OVGR-Time'd (한시) Trip Contact
- ITa/ITc : OVGR-Instant.(순시) Trip Contact
- DGa/DGc : DGR-Time'd (정한시) Trip Contact
- L(+)/N(-) : Aux. Power Input(AC/DC)
- D(+)/D(-) : RS-485(Communication)
- DG : Digital Ground · E : Earth (≡)

External Wiring Diagram

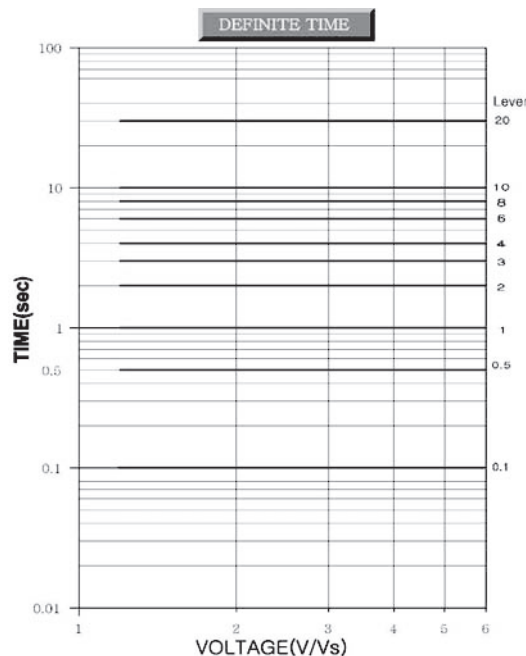
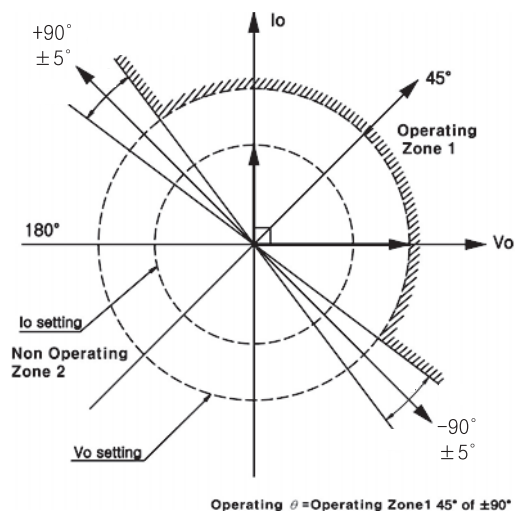


DIGITAL PROTECTIVE RELAY

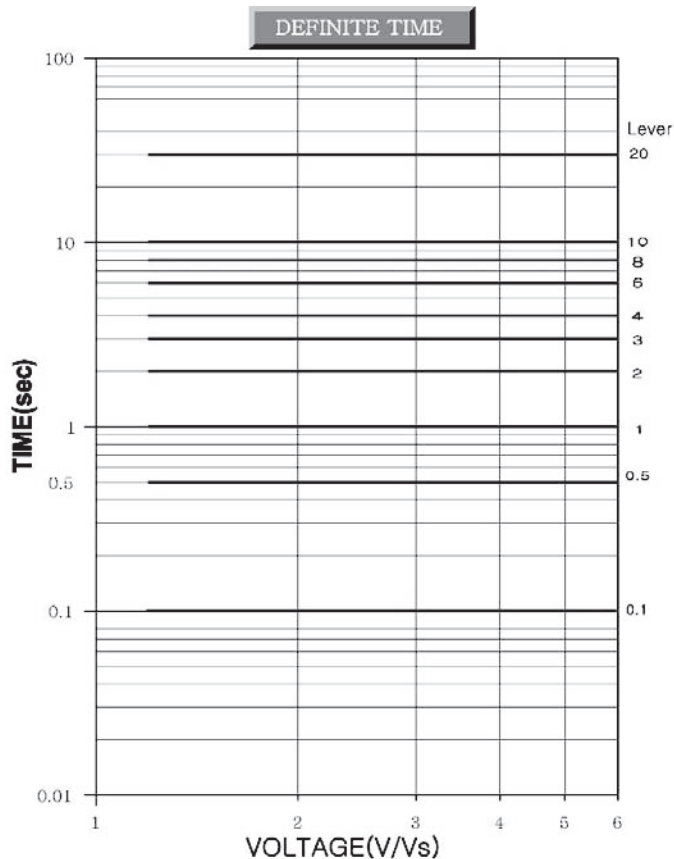
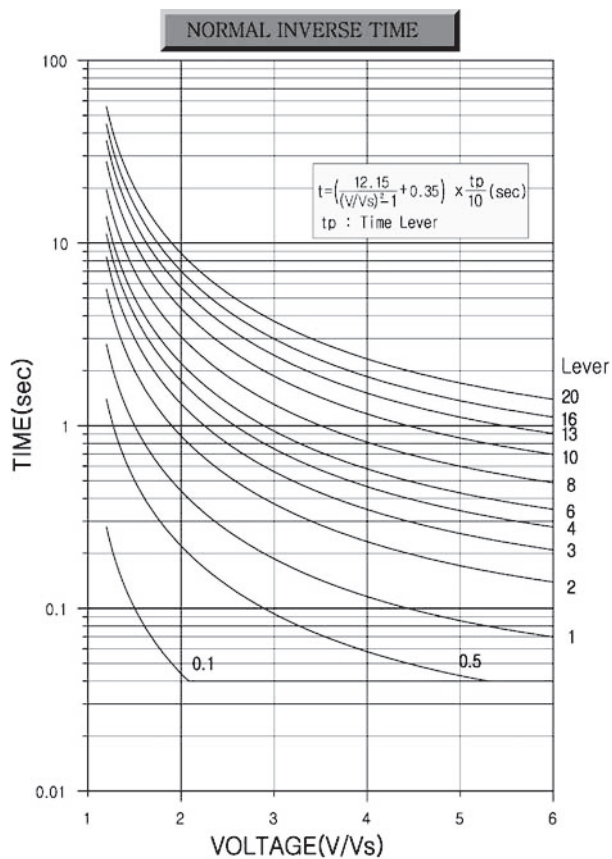
Operating Standard Curves DGR(SGR)

● Operating Characteristics Curves

● Directional Ground Relay



● Ground Over Voltage Relay



Dimension

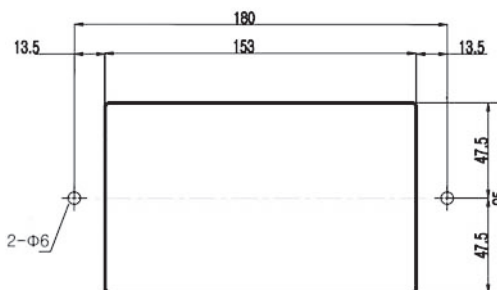
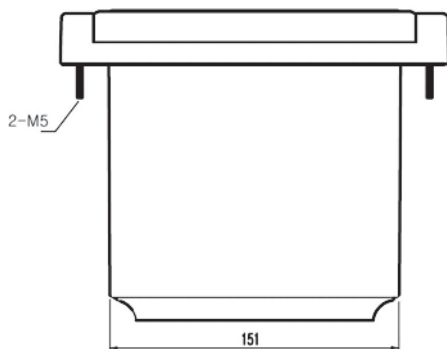
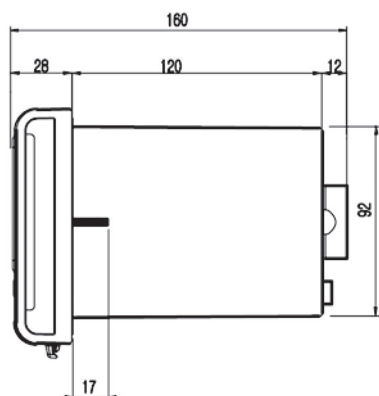
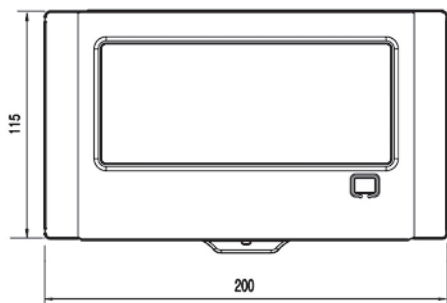
● Dimension



Draw Out Type



● Dimension



Panel Cut - out