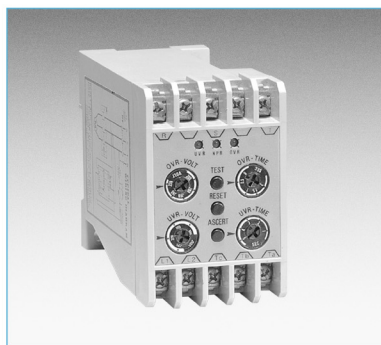


EVR

Electronic Voltage Relay



Features

- Compact Design
- Multiple Protection Functions
- 24 Hours Trip Cause Memory
- Trip Indication & Troubleshooting → Ascertain Button
- Manual / Electrical Reset
- Ambient Insensitive

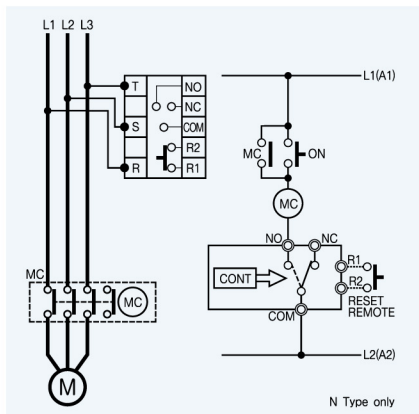
Protection

Protective Item	Trip Time
Over-voltage	OVR-TIME
Under-voltage	UVR-TIME
Phase Loss	0.5 sec
Phase Reversal	0.5 sec

Specification

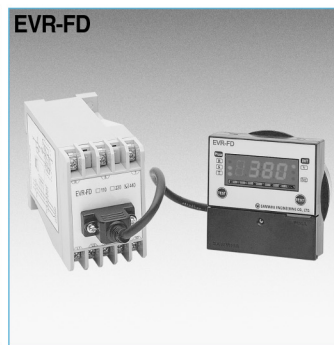
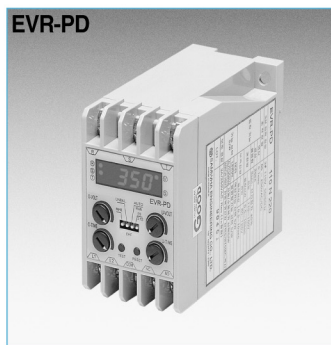
Rated Voltage		EVR - 220	EVR - 380	EVR - 415
		220V	380V	415V
Voltage Setting	OVR-VOLT	220 - 300V	380 - 460V	415 - 500V
	UVR-VOLT	160 - 220V	300 - 380V	340 - 415V
Trip Time Setting	OVR-TIME	0.5 - 2 sec		
	UVR-TIME	1 - 5 sec		
Phase Loss Trip Time		within 0.5 sec		
Phase Reversal Trip Time		within 5 sec (after Supply Power)		
Time-current Characteristic		Definite		
Output Relay		1-SPDT(1C), AC250V/5A Resistive		
Reset	M	Manual Reset		
	A	Automatic Reset (Reset Time = 5 sec)		
TEST		Trip in 1 sec (after Pushing TEST Button)		
ASCERTAIN S/W (Trip Cause Indication)		Trip Cause is memorized for 24 hours and Trip Cause will be indicated via LED by pushing Ascertain S/W.		
Allowable Tolerance	Voltage	±5%		
	Time	±15%		

Typical Wiring



EVR-PD/FD

Digital Voltage Relays



Features

- MCU & ASIC Based Compact Design
- Multiple Protection Functions
- Wide Voltage Adjustment Range
- Digital Volt Meter and Digital Setting
- Trip Cause Display & Troubleshooting
- Manual / Electrical / Automatic Reset
- Adjustable Reset Timer
- Ambient Insensitive

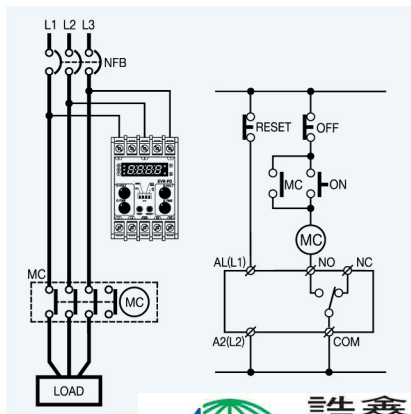
Protection

Protective Item	Trip Time (PD/FD)
Over-voltage	OVR-TIME
Under-voltage	UVR-TIME
Phase Loss	2 sec
Phase Reversal	0.1 sec
Voltage Unbalance	3 sec

Specification

Voltage Setting	Type	Over-voltage (O-VOLT)	Under-voltage (U-VOLT)
	110	110 - 150V	80 - 120V
	220	220 - 300V	160 - 240V
	440	380 - 500V	300 - 440V
Trip Time Setting	O-TIME	0.5 - 10 sec	
	U-TIME	0.5 - 10 sec	
Control Voltage	220	AC/DC85 - 250V	
	Others	AC/DC24, 48V (Optional Order)	
Output Relay	Mode	1-SPDT(1C)	
	Rating	AC250V/3A Resistive	
	Status	Normally Energized	
Reset	SW3=AUTO	Reset Time: 1 or 5 sec (DIP-SW4)	
	SW3=MAN	RESET Button	
Mounting	PD	35mm Din-Rail / Panel	
	FD	Flush	
	PCU	35mm DIN-Rail / Panel	

Typical Wiring



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