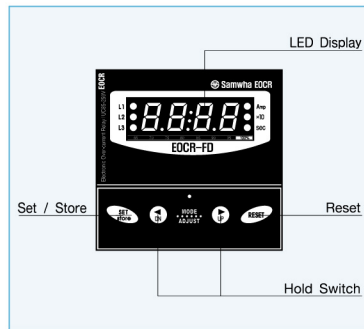




EOCR-FD / FDZ version "E"



- MCU Based
- 3 Integral Current Transformers
- Over-current, Under-Current, Phase Loss, Phase Unbalance, Phase Reversal, Locked Rotor Protection
- Digital Ammeter & Digital Troubleshooting
- Selectable Trip Time Characteristics
- Independently Adjustable Starting Trip Delay and Trip Time
- + Load Alerting Function → EOCR-FD
- + Ground Fault Protection → EOCR-FDZ

Protection

EOCR-FD		EOCR-FDZ	
Protective Item	Trip Time	Protective Item	Trip Time
Over-current	O-TIME	Over-current	O-TIME
under-current	0.5~30sec	Under-current	0.5~30
Phase Loss	3 sec	Phase Loss	3 sec
Phase Unbalancal	8 sec	Phase Unbalancal	8 sec
Phase Reverse	0.1~0.3 sec	Phase Reverse	0.1~0.3 sec
Locked Rotor	D-TIME	Locked Rotor	D-TIME
-	-	Ground Fault	0.05~10 sec

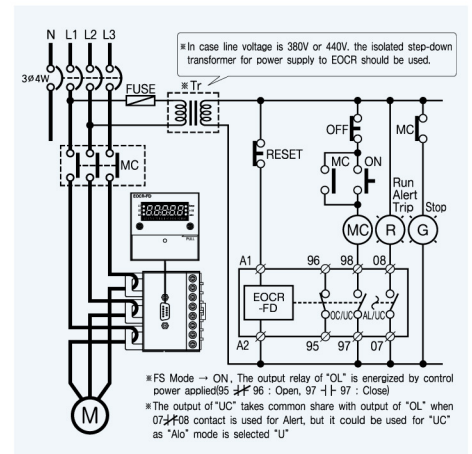
Specification

Model		EOCR-FD		EOCR-FDZ	
Over Current Setting		Refer Table #1			
Ground Fault Current Setting		-		0.02 ~ 3A	
Alert Setting		50 ~ 100% / OFF		-	
Start Time Setting (D-TIME)		1 ~ 200			
Trip Time Setting (O-TIME)	INV	1 ~ 30 Sec			
	DEF	0.2 ~ 30 Sec			
Control Voltage		AC110V ± 15%, AC220V ± 15%			
Output Relay	Relay 1	2-SPST, AC250V/3A Resistive		1-SPST, AC250V/3A Resistive	
	Relay 2	AL Relay		Ground Fault Relay	
		1-SPST, AC250V/3A Resistive			
Time Characteristic	In/"tc" mode	Inverse (See Curve-1)			
	dE/"tc" mode	Definite (See Curve-2)			
Troubleshooting / Trip Indication		LED Display (SSD+LED)			
Current Sensing		3-CT			
Mounting		35mm Din-rail			

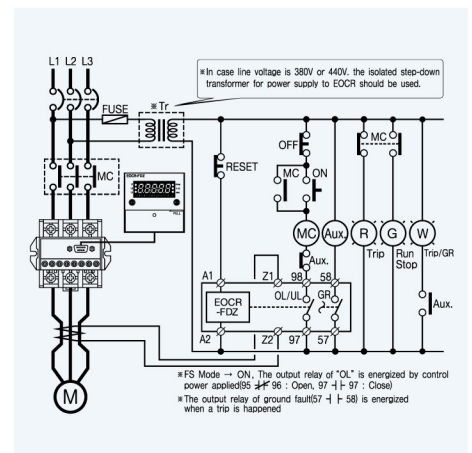
Table #1. Current Range

Current Setting Range (Amps)	Number of Conductors thru CT windows	External CT Ratio	Setting of CT Ratio	Remark
0.5 ~ 60A	1	-	OFF (Mode : --)	Wide Range
0.25 ~ 3.0A	2	-	2t	
0.1 ~ 1.2A	5	-	5t	
1 ~ 12A	1	10 : 5	10	
1.5 ~ 18A	1	15 : 5	15	
2.0 ~ 24A	1	20 : 5	20	
2.5 ~ 30A	1	25 : 5	25	
3.0 ~ 36A	1	30 : 5	30	
4.0 ~ 48A	1	40 : 5	40	
5 ~ 60A	1	50 : 5	50	
6 ~ 72A	1	60 : 5	60	
7.5 ~ 90A	1	75 : 5	75	
10 ~ 120A	1	100 : 5	100	
12 ~ 144A	1	120 : 5	120	
15 ~ 180A	1	150 : 5	150	
20 ~ 240A	1	200 : 5	200	
25 ~ 300A	1	250 : 5	250	
30 ~ 360A	1	300 : 5	300	
40 ~ 480A	1	400 : 5	400	
50 ~ 600A	1	500 : 5	500	
60 ~ 720A	1	600 : 5	600	
75 ~ 900A	1	750 : 5	750	
80 ~ 960A	1	800 : 5	800	

Typical Wiring



EOCR-FD version "E"



EOCR-FDZ version "E"

