

NEW LAUNCH

minilec®



S2 EFR1

Earth Fault / Ground Fault Monitoring of 3 Phase Systems, Microcontroller Based Design, SMD Technology, Manual Reset, Input 1 A or 5 A through CBCT / CT Adjustable Earth Fault Trip Settings, Adjustable Trip Delay and On Delay, 2 CO Relay Output



S2 ELR1

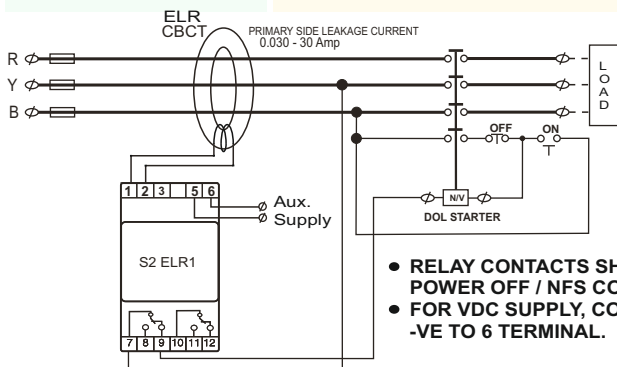
Earth Fault / Ground Fault Monitoring of 3 Phase Systems, Microcontroller Based Design, SMD Technology, Manual Reset, Input 1 A or 5 A through CBCT / CT Adjustable Earth Fault Trip Settings, Adjustable Trip Delay and On Delay, 2 CO Relay Output



CBCT

Moulded Enclosure CBCT suitable for Minilec Make Earth Leakage and Earth Fault Relays

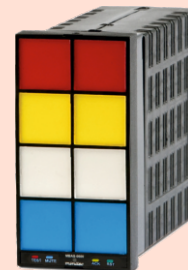
Auxiliary Supply	100 - 120, 220 - 240 VAC± 20% 24VDC ± 20%	100 - 120, 220 - 240, 415 VAC ± 20% 24 VDC ± 20%	
Frequency	48 - 63 Hz.	50 Hz / 60 Hz	
Output Relay Contacts	2 CO	2 CO	
Output Contact Rating	5 Amp @ 240 VAC (resistive)	5 Amp @ 240 VAC (resistive)	
Rated Input Current	5 A / 1 A selection Terminal no. 1 & 2 : 5 Amp. Terminal no. 1 & 3 : 1 Amp.	0.03 TO 30 A Primary Current Input Through Minilec CBCT	EL: 30 mA - 30 A EF: Secondary 1 A
Trip Settings	10% TO 100% of rated Current Input	0.03, 0.1, 0.3, 0.5, 1, 3, 5, 10, 20, 30 A	
Trip Time Delay	0.1 TO 1 Sec.	0.1 TO 1 Sec.	
Power ON Delay	1 TO 10 Sec.	N.A.	
Resetting	Manual	Manual	
Current Sensor	External CBCT / CT having 5 Amp. Or 1 Amp. Secondary	Minilec Make ELR CBCT ID - 35, 70, 120, 150 mm	ID: 35, 70, 120, 150 mm
Test Mode	Test Facility by Test Push Button	Test Facility by Test Push Button	
Indications	Green : ON : Power ON Red : EF : Earth Leakage	Green : ON : Power ON Red : EL : Earth Leakage	
Enclosure	ABS / PC - ABS		
Dimensions Overall (L x W x D) mm	90 x 35 x 60	90 x 35 x 60	ID: 35 mm OD: 72 mm ID: 70 mm OD: 108 mm ID: 120 mm OD: 158 mm ID: 150 mm OD: 189 mm
Mounting	RAIL MOUNTING	RAIL MOUNTING	SCREW MOUNTING
Weight	140 gms.		
Operating Conditions	Temperature: - 5 °C TO + 60 °C Humidity: Upto 95% Rh	Temperature: - 5 °C TO + 60 °C Humidity: Upto 95% Rh	Temperature: - 5 °C TO + 60 °C Humidity: Upto 95% Rh



ELECTRICAL CONNECTIONS IN POWER & CONTROL WIRING

- RELAY CONTACTS SHOWN FOR UNIT IN POWER OFF / NFS CONDITION.
- FOR VDC SUPPLY, CONNECT +VE TO 5 AND -VE TO 6 TERMINAL.

MBAS 0600 - Low Depth Annunciator



Low Depth Annunciator with redundant power supply.

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S2 DVMR

Microprocessor design, SMD Technology, Absolute Values of UV / OV, UF, OF, Phase Failure, Phase Sequence, Unbalance, Under Voltage, Under Voltage, Under Frequency, Over Frequency,, Auto Manual Resetting, UV/UV, UF/OF, UB, Trip Delay, Startup Delay Settable, 2 CO Output Relay, Fail Safe Non Fail Safe

System Supply	100 - 120 V AC 220 - 240 V AC 380 - 440 V AC
Auxiliary Supply	In Built
Frequency	48 - 63 Hz.
Output Relay Contacts	2 CO
Output Contact Rating	5 Amp @ 240 VAC (resistive)
Unbalance Trip Setting	2% TO 20%
Under Voltage	100 - 120 V AC : 75 - 115 V AC 220 - 240 V AC : 165 - 225 V AC 380 - 440 V AC : 285 - 425 V AC
Over Voltage	100 - 120 V AC : 105 - 145 V AC 220 - 240 V AC : 230 - 290 V AC 380 - 440 V AC : 400 - 520 V AC
Under Frequency	45 - 65 Hz.
Over Frequency	45 - 65 Hz.
Trip Time Delay	1 - 10 Sec.
Startup Delay	1 - 10 Sec.
Resetting	Auto / Manual
Indication	Green : ON : Power ON RED : Fault
Display	24 x 13 mm OLED
Mounting	DIN Rail
No. of Keys	
Enclosure	ABS / PC - ABS
Dimensions Overall (L x W x D) mm	90 x 35 x 60
Mounting	RAIL MOUNTING
Weight	200 gms.
Operating Conditions	Temperature: - 5 °C TO + 60 °C Humidity: Upto 95% Rh



D5 PCG1

GSM Based Pump Controller having Protections against single Phasing Unbalance, Under & Over Voltage, Reverse Phasing, Under Current, Over Current, Water Level Controller, Winding Temperature

System Supply	415 V AC ± 20%
Auxiliary Supply	90 - 450 V AC
Frequency	50 Hz.
Output Relay Contacts	1 CO
Output Contact Rating	5 Amp @ 240 VAC (resistive)
Unbalance	1% - 20%
Under Voltage	75 % - 95 %
Over Voltage	105 % - 120 %
Under Current	30% - 90 % of I max
Over Current	300 % - 800 %
IDMTL Settings	2 - 20 sec.
Current Unbalance	20 % - 60 %
Start Inhibition	1 - 20 nos.
Mounting	DIN Rail
Enclosure	ABS / PC - ABS
Dimensions Overall (L x W x D) mm	70 x 150 x 110
Mounting	RAIL MOUNTING
Weight	700 gms.
Operating Conditions	Temperature: - 5 °C TO + 60 °C Humidity: Upto 95% Rh

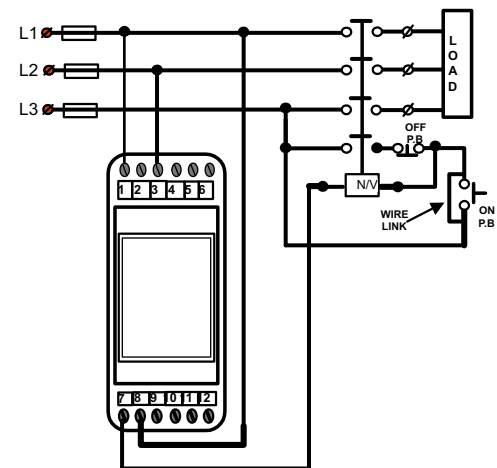
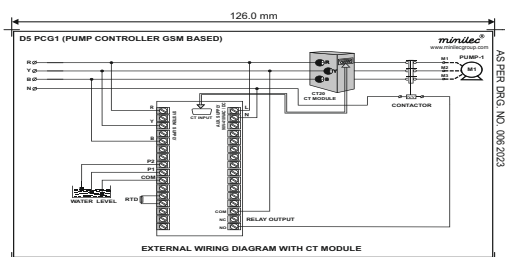
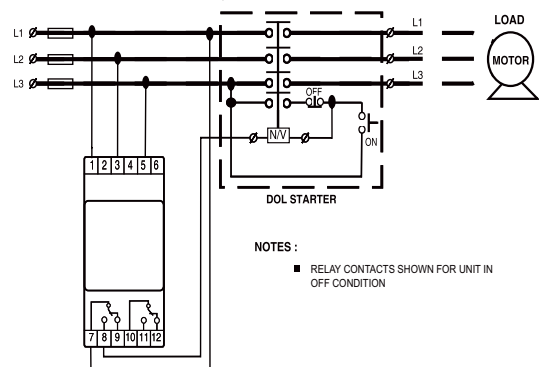
Pump Remote Monitoring & Control System with IVR facility. Pump ON / OFF Can be done through a Mobile App. Provision of Master & Secondary users. Master User can set ON / OFF time & Trip Levels. Supports 4G Network. If the network is not available manual operation can be done. Run Time Compensation, Four Programmable Time Slots for a week



S2 TSR1

Time Switch suitable for 10 ON / OFF Setting per week, 16 Aps. Relay output contacts

Auxiliary Supply	100 -120 / 220 -240VAC ± 10%
Frequency	48 - 63 Hz
Output Relay Contacts	1 CO
Output Contact Rating	16 Amp @ 240 VAC (resistive)
Operating Mode	M1 : Auto Programm Mode M2 : Instant ON M3 : Instant OFF
Setting	10 Flexible Program in a week Day : Monday to Sunday 12 / 24 Hrs. Clock Setting through front Keyboard
Time Setting Accuracy	± 1 min. per month @ 25
Display	28 x 28 mm Display
Mounting	DIN Rail
Enclosure	ABS / PC - ABS
Dimensions Overall (L x W x D)mm	90 x 35 x 60
Mounting	RAIL MOUNTING
Weight	400 gms.
Operating Conditions	Temperature: - 5 °C TO + 60 °C Humidity: Upto 95% Rh



ELECTRICAL CONNECTIONS IN POWER AND CONTROL WIRING