



PRICE LIST
WITH EFFECT FROM 1st AUGUST 2012
ISSUE NO. 20

M. R. P.

MINILEC (INDIA) PVT.LTD.

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FM/A30/17 ISSUE NO.20

Price List 2012

mimilec[®]

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A Voltage Sensing Phase Failure Relays

1 DIN Rail Mounted			
	Product	Description	Unit Price
	VSP D1	Phase Failure Relay (Auto Reset, 40 Volts. Unbalance, 1 CO Contact)	895.00
	VSP D2	Phase Failure Relay (Auto / Manual / Remote Reset Adj. Unbalance, 2 CO Contact.)	1,140.00
	USP D1	Phase Failure Relay (Auto Reset, 60 Volts Unbalance Fixed 1 Co Contact)	895.00
	S2 VMR 1	Phase Failure Relay (Auto/ Manual Reset, 2 CO Contact)	1,820.00
	D1 HLS1	Phase Failure Relay with Fixed Under & Over Voltage setting, 10% Unbalance	1,560.00
	HLV D2	Phase Failure Relay with Under & Over Voltage setting (Variable), (Manual Reset, 40 Volts Unbalance)	1,730.00
	ALV D2	Phase Failure Relay with Under & Over Voltage setting (Variable), (Auto Reset 40 Volt Unbalance)	1,730.00
	S2 VMR 2	Phase Failure Relay with Fixed Under & Over Voltage setting (Auto Reset, 2 CO Contact)	1,855.00
	D1 VMR 1	Phase Failure Relay with Under & Over Voltage Relay setting (Variable), (Auto Reset, 10% Unbalance)	1,585.00
	D2 VMR 1	Phase Failure Relay with Under & Over Voltage Relay setting (Variable), (Auto Reset, 4% - 20% Unbalance)	2,065.00
	D2 VMR 2	Phase Failure Relay with Under & Over Voltage Relay setting (Variable), (Auto Reset, 4% - 20% Unbalance) with Neutral Fail Protection	2,240.00
	S2 VMR 3	Phase Failure with Under & Over Voltage Relay setting (Variable), (Auto Reset, 4% - 20% Unbalance)	1,930.00
	VMR D2	Phase Failure with Under & Over Voltage Relay setting (Variable), (Auto Reset, 96 ± 4 Volts Unbalance)	1,860.00
	S2 VMR6	Phase Failure Relay with Under & Over voltage setting (Variable), Neutral Fail Indication, Auto / Manual Reset, Fixed Trip Time / Power ON Delay, OV/UV adjustable, 94V + 4V Unbalance	2,140.00
	S2 VMR 8	Phase Failure Relay with Under & Over Voltage Relay	1,750.00
	2 ALO-10-323	Line Monitoring Relays with Fixed Under & Over Voltage setting (Auto Reset 1 CO, 3 Ph 4 W.)	1,940.00
	2 ALO-30-323	Line Monitoring Relays with Fixed Under & Over Voltage setting (Auto Reset 1 CO, 3 Ph 3 W.)	1,940.00
	VST D1	Phase Failure with Under Voltage Relay, (Auto Reset, Built in Aux. Supply, 1 CO Contact.)	1,350.00
	VPD D1	Phase Failure Relay with Water Level Guard (Auto Reset, 40 Volts Unbalance, 1CO Contact,)	1,035.00
	S1 VMR 7	Phase Sequence Relay (Built-in Aux.Supply, 1 CO Contact)	725.00
2 8 PIN & 11 PIN Socket Mounted (w/o socket base)			
	P1 PFS 1	Phase Sequence Relay (Built-in Aux.Supply, 1 CO Contact)	870.00
	P1 PFS 2	Phase Failure Relay (Auto Reset, 40 Volts Unbalance, Built in Aux.Supply, 1 CO Contact)	870.00
3 Panel Wall Mounted (For Agriculture Pump & Motor Starters)			
	*VSP 2	Single Phasing Preventor (Auto Reset, 40 Volts Unbalance)	700.00
	*VSP 3	Single Phasing Preventor (Auto Reset, 50 Volts Unbalance)	555.00

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Product	Description	Unit Price
*Autoswitch 2	Single Phasing Preventor with Auto/Manual Switch and Fixed ON Delay Timer (Auto Reset, 50 Volts Unbalance, 1 NO Contact)	675.00
*Autoswitch 3	Single Phasing Preventor with Auto start ON Delay Timer (Auto Reset, 50 Volts Unbalance, 1 NO Contact) Provision for connection of Auto/Manual switch externally	660.00
*Autoswitch 4	Single Phasing Preventor with Auto/Manual Switch & variable ON Delay (1-10 Min.)	705.00
*Autoswitch 5	Single Phasing Preventor with provision to connect Auto/Manual Switch externally & variable ON Delay (1-10 Min.)	695.00
*Autoswitch 6	Single Phasing Preventor used for semi-automatic star delta starter with ON Delay Timer (2-3 min.) and Auto/Manual Switch	845.00
*Autoswitch 7	Single Phasing Preventor used for oil emerged semi-automatic star delta starter with (9 wire) ON Delay Timer (2-3 min.) and Auto/Manual Switch	905.00
B 3 Ph. Motor Protection Relays		
1 DIN Rail Mounted		
MPR D2	Current Sensing Phase Failure Relay with Overload Protection (O/L Curve - 2 & 5 Sec. selectable or 10 Sec or 15 Sec. or 20 Sec. (Optional), Without CTS, (Selectable) Auto / Manual / Remote Reset, 1CO/2CO Contact (Optional)	1,760.00
2 Panel Door Mounted		
F5 MPC1 (MBMPR)	Microprocessor Based Motor Protection Relay (c/w Current Sensor CT Module, Auto/Manual Reset, error display, 2CO Contact) with current & voltage protection	13,810.00
F3 MPR1	Microprocessor Based Motor Protection Relay (c/w Current Sensor CTS, Auto/Manual Reset, Error display, 2CO Contact) with current protection. (RS 485 Output optional.)	7,580.00
C 3 Ph. Pump Protection Relays		
1 DIN Rail Mounted		
SPG D2	Current Sensing Phase Failure Relay with selectable Dry Run & Overload Protection, (Selectable) Auto / Manual / Remote Reset, 1 CO/2 CO Contact (Optional), overload curve - 2 & 5 sec. selectable or 10 sec. (Optional)	1,930.00
D2 MPR 1	Current Sensing Phase Failure Relay with selectable Dry Run & Overload Protection, Protection (Auto / Manual / Remote Reset, 2 CO Contact)	2,200.00
D2 MPR 2	Current Sensing Phase Failure & UV + OV Relay with Dry Run & Overload Protection (Delayed Auto Reset, 2 CO Contact)	2,400.00
S2 CMR 1	Current Sensing Phase Failure Relay with selectable Dry Run & Overload Protection (Auto/Manual Reset, 2 CO Contact)	2,220.00
D Current Sensors		
1 DIN Rail Mounted (For MPR D2, D2 MPR1, D2 MPR2, SPG D2, S2 CMR1 ONLY)		
S2 CTS 1.25	Current Sensor (up to 0.75 H.P.) (1.25 Amp.)	625.00
S2 CTS 2.5	Current Sensor (up to 1.5 H.P.) (2.5 Amp.)	625.00
S2 CTS 05	Current Sensor (up to 3.00 H.P.) (5 Amp.)	625.00
S2 CTS 10	Current Sensor (up to 6.00 H.P.) (10 Amp.)	625.00
S2 CTS 20	Current Sensor (up to 12.5 H.P.) (20 Amp.)	625.00
S2 CTS 40	Current Sensor (up to 25 H.P.) (40 Amp.)	625.00
S2 CTS 80	Current Sensor (up to 50 H.P.) (80 Amp.)	760.00
CTS 120 (Pair)	Current Sensor (up to 75.0 H.P.) (120 Amp.), Panel Mounted	970.00

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2 DIN Rail Mounted (For F5 MPC1, F3 MPR1 and F5 PPC1)		
CT-1		625.00
CT-5		625.00
CT-20		625.00
CT-50		625.00
E Thermistor Relays		
1 DIN Rail Mounted		
WTR D1	Winding Protection Relay (Auto / Manual (Optional) Reset, 1CO Contact)	1,315.00
S2 WTR1	Winding Protection Relay (Auto / Manual Reset, 2 CO Contact)	1,315.00
2 PTC Thermistor Sensors		
	Single element with Teflon wire	310.00
	Triple element with Teflon wire	785.00
F 3 Phase Voltage Monitoring Relays & Scanners		
1 DIN Rail Mounted		
VCF D2	3 Phase, 4 Wire Under & Over Voltage Relay (Auto / Manual Reset, Trip Time & Power ON Delay 1-10 Sec.) OV/UV - Adjustable	2,110.00
VCT D2	3 Phase, 3 Wire Under & Over Voltage Relay (Auto / Manual Reset, Trip Time & Power ON Delay 1-10 Sec.) OV/UV - Adjustable	2,110.00
D2 VCT 1	3 Phase, 3 Wire & 3 Phase, 4 Wire, Under & Over Voltage Relay (Auto / Manual Reset, Trip Time & Power ON Delay 1-10 Sec.) OV/UV - adjustable, Neutral fail indication	2,300.00
D1 VCT 1	3 Phase, 3 Wire Under & Over Voltage Relay (Auto Reset, Trip Time Delay 3.5 ± 1.5 Sec.), OV/UV adjustable	1,590.00
UVF D1	3 Phase, 4 Wire Under Voltage Relay (Variable-UV) (Auto Reset, 1CO Contact)	1,380.00
UVT D1	3 Phase, 3 Wire Under Voltage Relay (Variable-UV) (Auto Reset, 1 CO Contact)	1,380.00
S2 VMR 4	3 Phase, 3 Wire Under & Over Voltage Relay (Auto / Manual Reset, Trip Time & Power ON Delay 1-10 Sec.) OV/UV - Adjustable	2,210.00
S2 VMR5	3 Phase, 4 Wire Under & Over Voltage Relay (Auto / Manual Reset, Trip Time & Power ON Delay 1-10 Sec.) OV/UV - Adjustable	2,210.00
G Microprocessor Based Digital Voltage Scanners / Monitoring Relay		
3 Panel Door Mounted (96 x 96 mm)		
F3 VSR 4	Microprocessor Based Voltage Scanner (3 Ph 3 Wire & 4 Wire) (Without Serial Port Option)	5,755.00
F3 VSR 4	Microprocessor Based Voltage Scanner (3 Ph 3 Wire & 4 Wire) (With Serial Port Option)	6,905.00
H 1 Phase Voltage Monitoring Relays		
1 DIN Rail Mounted		
D1 VCR 1	Single Phase Under and Over Voltage Relay (Variable-OV/UV) (Auto Reset)	1,280.00

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	Product	Description	Unit Price
I	Monitoring Relays (1 Phase Current, Frequency, Earth Fault, Reverse Power)		
1	DIN Rail Mounted		
	OCS D1	Single Phase Over Current Relay (Variable-OC) (1 CO Contact, Auto Reset) Trip delay 1 - 10 Sec.	1,340.00
	OCS D1	Single Phase Over Current Relay (0.25 A /0.5 A) (1 CO Contact, Auto Reset) Trip delay 1 - 10 Sec.	1,380.00
	OFS D1	Over Frequency Relay (Variable-OF) (Auto Reset, 1CO Contact) Trip delay 1 - 10 Sec.	1,380.00
	S2 FMR 1	Under & Over Frequency Relay (Variable-UF/OF) (Auto / Manual Reset, 1CO+1CO Contact) Power ON delay & Trip delay 1 - 10 Sec.	2,350.00
	D2 EFR 1	Earth Fault Relay, (Instant / Delayed Trip, Manual Reset)	1,830.00
	F3 EFR 1	Flush Mounting Earth Fault Relay (Instant / Delayed Trip, Manual Reset)	2,030.00
	RPT D2	Reverse Power Relay (3 Ph, 3 Wire)	2,485.00
	RPF D2	Reverse Power Relay (3 Ph, 4 Wire)	2,485.00
	CCS D2	Single Phase Under & Over Current Relay (Variable) (Auto / Manual Reset)	2,170.00
	S2 CMR 2	Single Phase Under & Over Current Relay (Variable-UC/OC) (Auto / Manual Reset) Power ON delay & Trip Time Delay 1-10 Sec.	2,465.00
	S2 CMR 3	Earth Fault Relay, Power ON delay 1-10 Sec., Trip delay 0.1-1 Sec.	2,575.00
	S2 CMR 4	Earth Leakage Relay, Power ON delay 1-10 Sec., Trip delay 0.1-1 Sec.	2,345.00
J	Water Level Controllers & Moisture Relay		
1	DIN Rail Mounted		
	WLC D1	Water Level Controller (Adj. Sensitivity, 1 CO Contact), Single tank 2 Level control without electrodes	1,100.00
	S2 WLC1	Single Tank 2 Level Control Relay (Adj. Sensitivity, 1 CO Contact), without electrodes	1,100.00
	Sensor Electrode for WLC D1, P1 LCW1, VPG D1, S2 WLC1 (Each)		110.00
2	8 PIN & 11 PIN Socket Mounted (w/o socket base)		
	P1 LCW 1	Water Level Controller (Without Electrodes, 1 CO Contact), Single tank 2 level control	825.00
K	Diesel Level Control Relay & Sensor		
1	DIN Rail Mounted		
	DLC D1	Diesel Level Controller (One Level, 1 CO Contact)	1,105.00
	FRKP 1	Fork Type Sensor Prod, To Be used with DLCD1 Relay	660.00
	FRKP 4	Sensor switch for diesel/oil with open collector output 10-28V DC, High / Low Level Sensor Switch	825.00
L	Electronic Timers		
1	DIN Rail Mounted		
	S1 ETS1	On Delay Timer (Time Range 0-30 Sec/ 0-60 Sec)	510.00
	S1 ETM1	On Delay Timer (Time Range 0-30 Min / 0-60 Min)	645.00
	ETS D1	On Delay Timer (upto 180 Sec, Time Range 0.3-3 Sec/ 3-30 Sec / 6-60 Sec.(Any One)	880.00

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S1 ESD1	Star Delta Timer, (1 NO Star Relay, 1 NO - Delta Relay, Time Range 0.75 to 7.5 Sec. / 6-60 Sec)	815.00	
ESD D1	Star Delta Timer, (1 NO Star Relay, 1 NO - Delta Relay, Time Range 0.75 to 60 Sec.)	1,000.00	
D1 ETM 1	Multi Function Timer (2 x 1CO Contact), 415V AC, 240V AC, 110V AC, 12V DC, 24V DC	1,100.00	
D1 ETM 1	Multi Function Timer (2 x 1CO Contact), 24-240 V AC/DC	1,235.00	
S2 ETM 1	Multi Function Timer (2 x 1CO Contact)	1,925.00	
S2 ETM 2	Cyclic & Forward-Reverse Timer (1CO+1CO Contact)	2,075.00	
S2 ETM 3	Off Delay Timer (2 CO Contact)	2,170.00	
D2 ETR1	Cyclic & Forward-Reverse Timer (1CO+1CO Contact)	2,005.00	
ESR D1	MULTI START ATTEMPT TIMER	1,415.00	
ETA D1	On Delay Timer (upto 0.7 Secs. - 30 Mins. 4 Ranges)	1,105.00	
M Pump Automation System Products			
1 11 PIN Socket Mounted (w/o socket base)			
P2 ALT 1	Alternating Relay (2 NO Contact)	1,195.00	
2 Panel Mounted Card Assembly (Booster Pump Controller)			
F3 BPC1	Pump Controller Relay for 3 Pumps (9 I/P, 3+1 O/P, Aux.Supply 90-270 V AC)	5,010.00	
BPC2	Pump Controller Card for 2 Pumps (6+1 I/P, 2+1 O/P, Aux.Supply 20 V AC)	4,390.00	
BPC3	Pump Controller Card for 3 Pumps (9+1 I/P, 3+1 O/P, Aux.Supply 20 V AC)	4,995.00	
BPC4	Pump Controller Card for 4 Pumps (12+1 I/P, 4+1 O/P, Aux.Supply 20 V AC)	8,140.00	
BPC5	Pump Controller Card for 5 Pumps (15+1 I/P, 5+1 O/P, Aux.Supply 20 V AC)	8,925.00	
3 Panel Door Mounted			
F5 PPC1 (MCOMMANDER)	Microprocessor Based Motor Protection & Pump Management System with CT Module (4 x 1 CO Contacts)	15,880.00	
N Variable Frequency Drives			
a) Vector Drives (3 Phase)			
VSD 303	3 Phase, 3 HP	34,525.00	
VSD 305	3 Phase, 5 HP	37,285.00	
VSD 308	3 Phase, 7.5 HP	48,330.00	
VSD 315	3 Phase, 15 HP	80,090.00	
b) Non-Vector Drives			
PSD 301	3 Phase, 1 HP	29,000.00	
PSD 302	3 Phase, 2 HP	29,000.00	
PSD 303	3 Phase, 3 HP	30,380.00	
PSD 305	3 Phase, 5 HP	30,380.00	
PSD 308	3 Phase, 7.5 HP	41,430.00	
PSD 315	3 Phase, 15 HP	62,140.00	

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O Power Line Transducers						
1	DIN Rail Mounted		AC		DC	
			Single	Dual	Single	Dual
**	D2 PTV 1	AC Voltage Transducer	3,590.00	4,145.00		
**	D2 PTC1	AC Current Transducer	3,590.00	4,145.00		
	D3 PTF 1	Line Frequency Transducer	4,345.00	5,180.00		
	D5 PTA1	Power Factor Transducer	7,595.00	8,285.00	8,975.00	10,425.00
	D5 PAT1	Phase Angle Transducer	7,445.00	8,125.00	8,800.00	10,220.00
	D5 PTW1	Active Power Transducer (3ph,3w)	5,925.00	6,690.00	7,445.00	8,205.00
	D5 PTW1	Active Power Transducer (3ph,4w)	6,460.00	7,215.00	7,975.00	8,730.00
	D5 PTW2	Reactive Power Transducer (3ph,3w)	5,925.00	6,690.00	7,445.00	8,205.00
	D5 PTW2	Reactive Power Transducer (3ph,4w)	6,460.00	7,215.00	7,975.00	8,735.00
	D5 PTW3	Apparent Power Transducer (3ph, 3w)	5,925.00	6,690.00	7,445.00	8,205.00
	D5 PTW3	Apparent Power Transducer (3ph, 4w)	6,460.00	7,215.00	7,975.00	8,740.00
	D1 IST1	DC Current Low Power Isolator	3,320.00	3,875.00	-	-
**	D3 IST1	DC Isolation Transducer	4,145.00	4,700.00	-	-
	D5 IST1	DC Isolation Transducer	6,840.00	8,355.00	9,870.00	11,395.00
**	D3 TTT1	Transformer Tap Position Transducer	4,145.00	4,700.00		
**	D3 RET1	Resistance Transducer	4,145.00	4,700.00		
**	D3 TET1	Temperature Transducer	4,145.00	4,700.00		
**	D5 PTC1	3 Phase combined AC Current Transducer	6,905.00			
**	D5 PTV1	3 Phase combined AC Voltage Transducer	6,905.00			
	D1 PTC3	2 wire Type AC Current Transducer with 24V DC	3,320.00			
	D1 PTV3	2 wire Type AC Voltage Transducer with 24V DC	3,320.00			
**	D5 MFT1	Multifunction Transducer (Analog Outputs)	17,260.00			
		** MODELS ARE AVAILABLE WITH AUX. SUPPLY OF MULTI VOLTAGE 80 TO 300V AC/DC and 18 TO 60 V DC				

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Product		Description					Unit Price	
P Microprocessor Based Alarm Annunciators								
1 Series MBAS 0600 (Standard Models)								
	Models	Box	No. of	Push	Windows		Price for	Price for
		Size	Pts.	Buttons	Big	Small	90-270V	20-60V
							AC/DC	AC/DC
	1 4B 0S 00	1D	4	No	4	0	6,215.00	6,365.00
	1 4B 0S P0	1D	4	Yes	4	0	6,485.00	6,650.00
	1 0B 4S P0	1D	4	Yes	0	4	6,215.00	6,365.00
	1 2B 2S P0	1D	4	Yes	2	2	6,215.00	6,365.00
	1 0B 6S P0	1D	6	Yes	0	6	7,310.00	7,460.00
	1 0B 8S 00	1D	8	No	0	8	8,760.00	8,910.00
	1 0B 8S P0	1D	8	Yes	0	8	9,030.00	9,180.00
	2 6B 0S P0	2D	6	Yes	6	0	8,975.00	9,125.00
	2 7B 0S P0	2D	7	Yes	7	0	10,440.00	10,590.00
	2 8B 0S 00	2D	8	No	8	0	10,290.00	10,440.00
	2 8B 0S P0	2D	8	Yes	8	0	10,560.00	10,710.00
	2 6B 2S P0	2D	8	Yes	6	2	10,660.00	10,820.00
	2 4B 6S P0	2D	10	Yes	4	6	12,525.00	12,675.00
	2 4B 8S P0	2D	12	Yes	4	8	13,185.00	13,595.00
	2 4B 8S 00	2D	12	No	4	8	12,915.00	13,310.00
	2 6B 4S P0	2D	10	Yes	6	4	12,800.00	12,955.00
	2 2B 10S P0	2D	12	Yes	2	10	13,120.00	13,270.00
	2 0B 14S P0	2D	14	Yes	0	14	17,620.00	17,775.00
	2 0B 16S 00	2D	16	No	0	16	17,620.00	17,775.00
	2 0B 16S P0	2D	16	Yes	0	16	17,900.00	18,050.00
	3 12B 0S 00	3D	12	No	12	0	13,310.00	13,465.00
	3 12B 0S P0	3D	12	Yes	12	0	13,585.00	13,745.00
	3 0B 18S P0	3D	18	Yes	0	18	21,140.00	21,540.00
	3 0B 20S P0	3D	20	Yes	0	20	21,525.00	21,920.00
	3 0B 22S P0	3D	22	Yes	0	22	21,920.00	22,310.00
	3 0B 24S 00	3D	24	No	0	24	21,920.00	22,310.00
	3 0B 24S P0	3D	24	Yes	0	24	22,205.00	22,595.00
	4 15B 0S P0	4D	15	Yes	15	0	19,725.00	20,120.00
	4 16B 0S 00	4D	16	No	16	0	19,575.00	19,970.00
	4 16B 0S P0	4D	16	Yes	16	0	19,850.00	20,240.00
	4 0B 32S 00	4D	32	No	0	32	29,345.00	29,745.00
	4 0B 32S P0	4D	32	Yes	0	32	29,625.00	30,015.00

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Product	Description	Unit Price
2 Series MICROWARN 0600		
		90-270 VAC/DC 20-60V AC/DC
MICROWARN 0600	6 Yes	7920.00 8150.00
MICROWARN 0600	8 Yes	10665.00 11040.00
MICROWARN 0600	12 No	13710.00 14095.00

3 Series MBAS 08 (For 90 to 270V AC/DC & 20 to 60V DC)

	4 Points with push button & buzzer	6 Points with push button & buzzer	7 Points with push button	8 Pts.
37 x 27 mm (Big) Window	4,780.00
37 x 17 mm (Small) Window	4,490.00	6,150.00	5,870.00	5,800.00

4 Series MBAS 09 (12 or 24 V DC Potential Input Models)

Models	No.of Pts.	Push Buttons	Buzzer	Price
1 0B 4S PB	4	Yes	Yes	5,685.00
1 0B 6S PB	6	Yes	Yes	6,095.00
1 0B 8S 00	8	NO	No	6,095.00

5 Series MBAS 11 (SINGLE LED ANNUNCIATORS)

Models	No.of Pts.	Push Buttons	Price
16 Pts with Potential free contact	16	Yes	13,540.00
16 Pts with Potential input 110 & 220 V DC	16	Yes	18,955.00

6 MICROFACIA (LED Window)

	12 / 24 V DC	110 / 230V AC	110 / 220V DC
951 (4 Big windows) 1 D	1,415.00	1,890.00	2,235.00
955 (8 Small Windows) 1D	1,565.00	2,180.00	2,575.00

7 Series MBAS 9700 (Split Architecture) (For 90 to 270V AC / DC & 20 to 60V DC)

	16 pts	24 Pts.	32 Pts.	48 Pts.	64 Pts.
30 x 65mm (Big)Window	32995.00	38765.00	45210.00	60260.00	79450.00
30 x 30 mm (Small) Window	28650.00	36465.00	41070.00	54885.00	72495.00
	80 Pts.	96 Pts.	112 Pts.	128 Pts.	
30 x 65mm (Big)Window	89425.00	106315.00	120830.00	132200.00	
30 x 30 mm (Small) Window	80600.00	99025.00	113720.00	120830.00	

Q Special Application Products

1 Electronic Soft Starter

D3 EMS1 (2 / 3 / 5 HP)	9,670.00
EMS 2000 (10 / 15 HP)	30,380.00
EMS 2000 (20 HP)	36,455.00
EMS 2000 (40 HP)	44,050.00
EMS 2000 (60 HP)	56,200.00
EMS 2000 (75 HP)	82,165.00

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Product	Description	Unit Price
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2 Twin AC Controller

Protocom -4	230V AC, Power Relays & with Voltage, Current and Room Temp.Display, 2 NO Contacts	6,330.00
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3 Multifunction Meter

F3 MFM1	Any 10 Parameters selectable	6,215.00
F3 MFM2	Basic Parameters display	8,975.00
F3 MFM3	Basic & Energy Parameters display	10,360.00
F3 MFM4	Basic, Energy & Demand parameter display	13,120.00

R CBCT - PRICE LIST

1 . TAPE WOUND RING TYPE

CBCT ID mm up to	50	100	120	150	200	220	250	300
Minilec Relay type	Rs.							
1 S2 CMR4 (Earth leakage 300mA)	1070	1120	1150	1220	1255	1290	1355	1400
2 S2 CMR3 / D2 EFR1 (Earth Fault 1A)	1115	1220	1255	1290	1330	1330	1400	1465
3 S2 CMR3 / D2 EFR1 (Earth Fault 5A)	1150	1255	1275	1330	1355	1430	1465	1505

2 . TAPE WOUND (RECTANGULAR TYPE)

CBCT ID mm up to	50	100	120	150	200	220	250	300
Minilec Relay type	Rs.							
1 S2 CMR4 (Earth leakage 300mA)	2250	2345	2410	2511	2585	2680	2805	2890
2 S2 CMR3 / D2 EFR1 (Earth Fault 1A)	2315	2515	2585	2680	2725	2750	2890	3055
3 S2 CMR3 / D2 EFR 1 (Earth Fault 5A)	2410	2565	2640	2735	2830	2960	3055	3140

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3 TAPE INSULATED RING TYPE STANDARD METERING CT's -1 Amp						
RATIO	VA	CLASS	ID			Unit Price
50 / 1	5	5	30			595.00
60 / 1	5	5	30			595.00
75 / 1	5	5	30			595.00
100 / 1	5	1	30			595.00
125 / 1	5	1	30			640.00
150 / 1	5	1	30			665.00
160 / 1	5	1	30			665.00
200 / 1	10	1	50			665.00
250 / 1	10	1	50			665.00
300 / 1	10	1	50			705.00
400 / 1	15	1	50			705.00
500 / 1	15	1	50			795.00
600 / 1	15	1	50			875.00
800 / 1	15	1	104			990.00
1000 / 1	15	1	104			1145.00
1200 / 1	15	1	104			1315.00
1250 / 1	15	1	104			1350.00
1500 / 1	15	1	115			1680.00
1600 / 1	15	1	115			1755.00
2000 / 1	15	1	115			2115.00
2500 / 1	15	1	140			2250.00
3000 / 1	15	1	140			2640.00
3200 / 1	15	1	140			2790.00
4000 / 1	15	1	140			3420.00

4 TAPE INSULATED RING TYPE STANDARD METERING CT's -5 Amp						
RATIO	VA	CLASS	ID	OD	HT	Unit Price
50 / 5	5	5	30	85	50	590.00
60 / 5	5	5	30	85	50	590.00
75 / 5	5	5	30	85	50	590.00
100 / 5	5	1	30	85	50	590.00
125 / 5	5	1	30	85	50	625.00
150 / 5	5	1	30	85	50	625.00
160 / 5	5	1	30	85	50	625.00
200 / 5	10	1	50	100	45	625.00
250 / 5	10	1	50	100	45	625.00
300 / 5	10	1	50	100	45	625.00
400 / 5	15	1	60	100	45	625.00
500 / 5	15	1	60	100	45	625.00
600 / 5	15	1	60	100	45	625.00
800 / 5	15	1	104	138	34	625.00
1000 / 5	15	1	104	138	34	625.00
1200 / 5	15	1	104	138	34	690.00
1250 / 5	15	1	104	138	34	700.00
1500 / 5	15	1	115	160	34	880.00
1600 / 5	15	1	115	160	34	900.00
2000 / 5	15	1	115	160	34	1050.00
2500 / 5	15	1	140	185	34	1050.00
3000 / 5	15	1	140	185	34	1205.00
3200 / 5	15	1	140	185	34	1260.00
4000 / 5	15	1	140	185	34	1495.00

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5 TAPE INSULATED RING TYPE STANDARD METERING CT's -1 Amp

RATIO	VA	CLASS	ID	OD	HT	Unit Price
30 / 5	2.5	5	35	75	35	340.00
50 / 5	2.5	5	35	75	35	340.00
60 / 5	2.5	5	35	75	35	340.00
100 / 5	2.5	1	38	70	35	340.00
150 / 5	5	1	38	70	35	340.00
200 / 5	5	1	38	70	35	420.00
250 / 5	10	1	38	70	35	435.00
300 / 5	10	1	60	87	30	360.00
400 / 5	15	1	60	70	30	435.00
500 / 5	15	1	70	100	35	435.00
600 / 5	15	1	70	100	35	455.00
800 / 5	15	1	70	100	35	455.00

S Spares for Series MICROWARN 0600

	Unit Price
Main CPU Card (12 pts)	8475.00
Main CPU Card (6 / 8 pts)	6460.00
LED Window Card (12 pts)	2505.00
LED Window Card (6 / 8 pts)	1695.00
SMPS Card (24/48 AC/DC, 90/270 V AC/DC)	4375.00
Exchange of SMPS (Conversion Charges)	1525.00
Common SMPS facility (for 24pts) 90 -270 V AC-DC SMPS facility	3800.00

Spares for Series MBAS 0600

"S" Size Small window Lense	35.00
"B" Size Small window Lense	50.00
LED Board for 4 pts	1355.00
LED Board for 6 pts / 8 pts	2030.00
Main CPU Card (4 pts)	4835.00
Main CPU Card (6 / 8 pts)	6460.00
Main CPU Card (12,14,16 pts)	12320.00
Main CPU Card (18,20,22, 24 pts)	13520.00
SMPS Card (90 / 270 V AC / DC)	2585.00
SMPS Card (20 / 60 AC / DC)	2810.00
Push Button Capsule	685.00
Repeat Relay Per Point (Window)	490.00

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Spares for Series MBAS 9700	
CPU Card (32,48,64,80,96, 128 pts)	6080.00
PSU Card (For 16 pts or Redundant PSU)	3800.00
IOC Card (16pts) without Plate	5015.00
DFU 1 (16 pts) Small Window	4180.00
DFU 2 (16 pts) Big Window	4945.00
MCU to RS 232 Convertor Cable Per Meter	75.00
RS 232 Converter to PC Cable Per Meter	75.00
Interconnecting 20 way Pre Fab Cable (MCU to DFU) Per Meter	135.00
Repeat Relay Per Point (Window)	490.00

Common Accessories

Non Standard Operating Sequence (Software)	18990.00
EEPROM (Microprocessor IC)	1905.00
PC Based Software (For MBAS 9700)	37975.00
Supply Fail Annunciation (Same Voltage Value)	1675.00
Supply Fail Annunciation (With Diff. Voltage Value)	3320.00
Supply Fail Indication	815.00
Industrial Hooter (AC)	990.00
Industrial Hooter (DC)	1675.00
Electronic Hooter (AC)	1675.00
Electronic Hooter (DC)	2585.00
RS 232 /485 Convertor	2660.00
Dummy Window (Inactive)	185.00
Push Buttons Set (4 nos)	815.00
RS 232 /485 Builtin Facility	2075.00
RS 232 /485 Builtin Facility with MODBUS RTU/ASCII Protocol	4145.00

Terms : The prices are inclusive of all taxes, duties, freight etc. Prices are FOR destination by any surface (courier) / road transport. For any air shipment, freight will be extra as applicable.

Contact Minilec for items not listed or with non standard specs.