



M • E • S PRODUCTS



Range of Sockets • Switches • Distribution Boards • MCB and Accessories

QUALITY PRODUCTS AT AFFORDABLE PRICES

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Switch Socket and Isolators- Standard Range

Part No.	Description	Price	STD Box QTY
100 x 100 Flush Switched Sockets 16A			
Complete with PVC grid plate and surrounds			
EW2 P4001	Single Switch Socket Complete	64.80	10
EW2 P4002	Double Switch Socket Complete	71.50	10
EW2 P4011	Single Switch Socket + Euro Complete	73.80	10
EW2 P4012	Socket shucko+euro+single 4x4	94.90	10
100 x 50 Flush Switched Sockets 16A			
Complete with PVC grid plate and surrounds			
EW2 P2001	Horizontal Single Switch Socket Complete	62.60	10
EW2 P2011	Vertical Single Switch socket Complet	62.60	10
100 x 100 Flush Dedicated Switched Sockets 16A 230V			
Complete with PVC grid plate and surrounds			
EW2 PD401	Single Switch Socket Dedicated Complete	88.30	10
EW2 PD402	Double Switch Socket Dedicated Complete	109.50	10
100 x 50 Flush Dedicated Switched Sockets 16A			
Complete with PVC grid plate and surrounds			
EW2 PD201	Horizontal Single Dedicated Switched Socket	76.00	10
100 x 50 Flush Isolator And Shave			
Complete with PVC grid plate and surrounds			
EW2 I2232	32A 2 pole + Pilot Light	76.00	10
EW2 SHAV	Shaver unit 4x2 vertical 15va	413.40	2
100 x 100 Flush Isolator			
Complete with PVC grid plate and surrounds			
EW2 I4260	45A 2 pole + Pilot Light	97.20	10
EW2 I4360	50A 3 pole + Pilot Light	167.00	10



EW2 P4001



EW2 P4002



EW2 P4011



EW2 P4012



EW2 P2001-



EW2 P2011



EW2 Pd401



EW2 PD402



EW2 PD201



EW2 I2232



Ew2 SHAV



EW2 I4260



Ew2 I4360

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Switches and Surrounds - Standard Range

Part No.	Description	Price Each	STD Box QTY
100 x 50 Flush Switches PVC			
Complete with surrounds			
EW2 S2011	1 Lever 1 Way Switch Complete	28.20	10
EW2 S2012	1 Lever 2 Way Switch Complete	31.80	10
EW2 S2021	2 Lever 1 Way Switch Complete	37.40	10
EW2 S2031	3 Lever 1 Way Switch Complete	48.60	10
EW2 S2041	4 Lever 1 Way Switch Complete	61.50	10
EW2 S2051	5 Lever 1 Way Switch Complete	83.80	10
EW2 S2061	6 Lever 1 Way Switch Complete	98.30	10
EW2 S201B	Bell 1 Lever Switch Complete	32.40	10

100 x 50 PVC Grid Plates only			
Complete with surrounds			
EW2 G2001	1 Lever	20.90	20
EW2 G2002	2 Lever	20.90	20
EW2 G2003	3 Lever	20.90	20
EW2 G2004	4 Lever	20.90	20
EW2 G2005	5 Lever	31.80	20
EW2 G2006	6 Lever	20.90	20
EW2 B2001	Blank PVC 4 x 2 Plate	20.90	20

100 x 100 Flush Switches PVC			
Complete with surrounds			
EW2 S4011	1 Lever 1 Way Switch Complete	45.80	10
EW2 S4012	1 Lever 2 Way Switch Complete	52.50	10
EW2 S4021	2 Lever 1 Way Switch Complete	59.80	10
EW2 S4031	3 Lever 1 Way Switch Complete	73.80	10
EW2 S4041	4 Lever 1 Way Switch Complete	88.30	10
EW2 S4051	5 Lever 1 Way Switch Complete	102.20	10
EW2 S4061	6 Lever 1 Way Switch Complete	116.20	10

100 x 100 PVC Grid Plates only			
Complete with surrounds			
EW2 G4001	1 Lever	30.70	20
EW2 G4002	2 Lever	30.70	20
EW2 G4003	3 Lever	30.70	20
EW2 G4004	4 Lever	30.70	20
EW2 G4005	5 Lever	30.70	20
EW2 G4006	6 Lever	30.70	20
EW2 B4001	Blank PVC 4 x 4 Plate	30.70	20



EW2 S2011



EW2 S2021



EW2 S2031



EW2 S2041



EW2 S2051



EW2 S2061



EW2 G2001



EW2 G2002



EW2 G2003



EW2 G2004



EW2 G2005



EW2 B2001



EW2 S4011



EW2 S4021



EW2 S4031



EW2 S4041



EW2 S4051



EW2 S4061



EW2 B4001



EW2 G4002



EW2 G4003



EW2 G4004



EW2 G4005



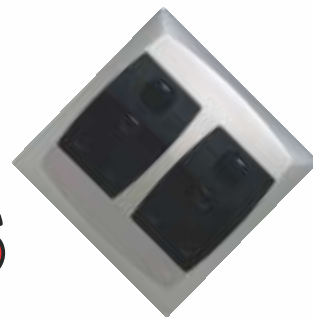
EW2 G4006

In accordance to Standards: VC8003

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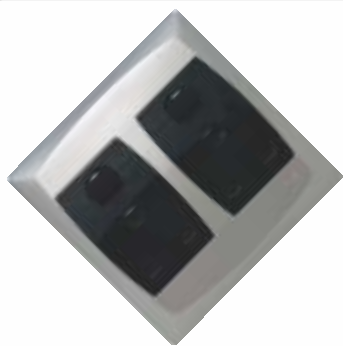


Butterfly switch socket outlet and Switches and surrounds black and silver range

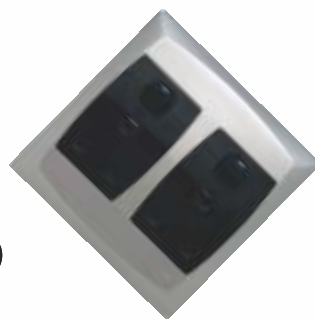
Part No.	Description	Price	STD Box QTY
Switch Socket Outlets 4x4			
EW2 P2001SC	Switch socket horizontal 4x2 SG	R76.00	10
EW2 P4001SC	Switch Socket single 4x4 SG	R87.20	10
EW2 P4002SC	Switch Socket duo 4x4 SG	R100.50	10
EW2 P4011SC	Switch Socket euro + single 4x4 SG	R109.50	10
EW2 P4012SC	Socket socket + shucko + euro 4x4 SG	R130.30	10
EW2 SHAV	Shaver unit 4x2vertical 15va Silver Grey	R533.00	2
Switches 2x4			
EW2 S2011SC	Switch 1 Lever complete 1way 4x2 SG	R50.80	10
EW2 S2021SC	Switch 2 Lever complete 1 way 4x2 SG	R68.70	10
EW2 S2031SC	Switch 3 Lever complete 1 way 4x2 SG	R86.40	10
EW2 S2041SC	Switch 4 Lever complete 1 way 4x2 SG	R104.20	10
Isolators with a Pilot light 2x4 and 4x4			
EW2 I2232SC	Isolator 32amp 2P 4x2 MES SG	R95.00	10
EW2 I4260SC	Isolator 50amp 2P 4x4 MES SG	R119.55	10
Blank Plates and Grid Plates + Surrounds			
EW2 B2001SC	Blank Plate 4x2 MES SG	R39.10	20
EW2 B4001SC	Blank Plate 4x4 MES SG	R53.60	20
EW2 G2001SC	Grid Plate+Surround 1 Lever SG 2x4	R39.10	20
EW2 G2002SC	Grid Plate+Surround 2 Lever SG 2x4	R39.10	20
EW2 G2003SC	Grid Plate+Surround 3 Lever SG 2x4	R39.10	20
EW2 G2004SC	Grid Plate+Surround 4 Lever SG 2x4	R39.10	20
EW2 G4001SC	Grid Plate+Surround 1 Lever SG 4x4	R50.10	20
EW2 G4002SC	Grid Plate+Surround 2 Lever SG 4x4	R50.10	20



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Modules White Range

Description	Part Number	Price ea
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1 Way Module	EW2 M001	14.00
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Bell Module	EW2 MBEL	26.80
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Data Module	EW2 MDAT	43.60
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Intermediate	EW2 MINT	128.50
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Isolating Module	EW2 MISO	58.10
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Telephone Module	EW2 MTEL	42.50
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Modules White Range

Description	Part Number	Price ea
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2 Way Module	EW2 M002	20.10
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Blanking Plug	EW2 MBNK	10.60
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Dim ON/OFF Module	EW2 DIM	26.80
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Satellite Module	EW2 MSAT	29.60
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Red Indicator Module	EW2 MRED	41.90
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Television Module	EW2 MTVM	42.50
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Modules Black Range

Description	Part Number	Price ea
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1 Way Module	EW2 M001SC	17.30
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Data Module	EW2 MDATSC	49.20
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Satellite Module	EW2 MSATSC	34.60
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Television Module	EW2 MTVSC	47.50
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Blank module only Black	EW2 MBNKSC	12.30
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Modules Black Range

Description	Part Number	Price ea
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2 Way Module	EW2 M002SC	22.40
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Dim ON/OFF Module	EW2 MDIMSC	31.30
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Telephone Module Black	EW2 MTELSC	47.50
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Bell module only (RH) Black	EW2 MBELSC	31.22
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Isolator 2P 20amp module only SG	EW2 MISOSC	62.44
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Lauches the USB Socket to the Butterfly Range



Part No.	Description	Price	STD Box QTY
EW2P4013	Switch socket + euro + USB 4x4	R284.40	10
EW2P4013SC	Switch socket + euro + USB 4x4 SG	R308.90	10

Features:

- New Generation
- PC Material
- Two 2000 mA USB Sockets
- Standard Euro and SA Socket
- Standard 3 wire connection

Technical Specifications:

- Voltage: 240V AC
- Current Rating: 16A
- USB Voltage: 5V DC
- USB Rating: 2 x 2Amps

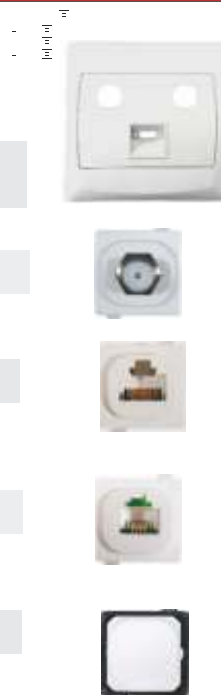


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Fiber Optic Termination Grid 100x100

Part No.	Description	Price	STD Box QTY
EW2 G400F	Grid plate+surround Fibre 2L 4x4	R44.60	
EW2 MSAT	Satalite module only	R29.60	
EW2 MDAT	Data module only	R43.60	
EW2 MTEL	Telephone 4 wire module	R42.50	
EW2 MBNK	Blank module only	R10.60	



Weather Proof Range

Weatherproof Light Switch

IP 65 Rating: Switch Rated at 16Amps

EW2 WS5821	Surface Weatherproof 1 lever 1 x 1 way Switch	1	95.00
EW2 WS5822	Surface Weatherproof 2 lever 2 x 1 way Switch	1	111.70



Surface Mounting Isolator IP56

EW2 **WI3063** Triple Pole Surface Switch 63A

Padlock able. For Single Phase or Three Phase usage.

1 307.30

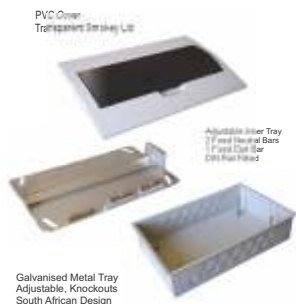


Weatherproof Outlet

EW2 WP5820	Surface IP56 socket outlet 16 amp	1	134.10
EW2 WP5819	Surface IP56 socket outlet 13 amp	1	127.10



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DISTRIBUTION BOARDS & POOL BOXES

Part No.	Description	Dimensions	Price
Flush	Metal Tray - Adjustable - PVC Cover	H W D	
EW8 PF108	DB Flush 8 Way DIN + Metal Tray PVC Plate	185 X 190 X 82	279.30
EW8 PF112	DB Flush 12 Way DIN + Metal Tray PVC Plate	190 X 255 X 82	346.40
EW8 PF115	DB Flush 15 Mod DIN + Metal Tray PVC Plate	193 X 310 X 82	385.50
EW8 PF118	DB Flush 18 Mod DIN + Metal Tray PVC Plate	222 X 364 X 82	469.30
EW8 PF212	DB Flush 24 Mod DIN + Metal Tray PVC Plate	315 X 255 X 82	642.50
EW8 PF312	DB Flush 36 Mod DIN + Metal Tray PVC Plate	470 X 293 X 82	882.70



Flush	PVC Tray - Adjustable - PVC Cover	H W D	
EW8 PPF108	DB Flush 8 Way DIN + PVC Tray PVC Plate	185 X 190 X 82	136.30
EW8 PPF112	DB Flush 12 Way DIN + PVC Tray PVC Plate	190 X 255 X 82	201.10
EW8 PPF115	DB Flush 15 Mod DIN + PVC Tray PVC Plate	193 X 310 X 82	245.80
EW8 PPF118	DB Flush 18 Mod DIN + PVC Tray PVC Plate	222 X 364 X 82	290.50



Surface	All Plastic	H W D	
EW8 PPS108	DB Surface 8 way Mod DIN PVC	200 X 185 X 85	136.30
EW8 PPS112	DB Surface 12 way Mod DIN PVC	255 X 200 X 85	201.10
EW8 PPS115	DB Surface 15 way Mod DIN PVC	193 X 310 X 82	245.80
EW8 PPS118	DB Surface 18 way Mod DIN PVC	364 X 223 X 85	290.50
EW8 PPS212	DB Surface 24 way Mod DIN PVC	326 X 270 X 85	431.30
EW8 PPS312	DB Surface 36 way Mod DIN PVC	460 X 270 X 85	614.60



Surface	PVC Shrouds	H W D	
EW8 TXH01	DB Surface 1 Way DIN PVC Shroud	30 X 130 X 60	55.90
EW8 TXH02	DB Surface 2 Way DIN PVC Shroud	52 X 130 X 60	67.00
EW8 TXH04	DB Surface 4 Way DIN PVC Shroud	87 X 130 X 60	78.20
EW8 TXH08	DB Surface 8 Way DIN PVC Shroud	160 X 160 X 65	139.70



Pool Boxes

POOLF1	Pool Box IP54 Fitted 9way Din with 125VA Transformer Main: 20A SP&N 1 x SP MCB for Pump 1 x SP MCB for protection of Transformer 1 x Digital 7day Timer with reserve 1 x SP MCB for output protection for Light	2198.90
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Maniature Din Cirvuit Breakers

Part No.	Description	Ka Rating	Curve	No of Poles	Current Rating	Price Each	Image
1 Pole Miniature DIN Circuit Breaker							
EW1 C1002	Circuit Breaker	3kA	C Curve	1 Pole	2 Amp	44.70	
EW1 C1006	Circuit Breaker	3kA	C Curve	1 Pole	6 Amp	36.60	
EW1 C1010	Circuit Breaker	3kA	C Curve	1 Pole	10 Amp	36.90	
EW1 C1016	Circuit Breaker	3kA	C Curve	1 Pole	16 Amp	36.90	
EW1 C1020	Circuit Breaker	3kA	C Curve	1 Pole	20 Amp	36.90	
EW1 C1025	Circuit Breaker	3kA	C Curve	1 Pole	25 Amp	36.90	
EW1 C1032	Circuit Breaker	3kA	C Curve	1 Pole	32 Amp	39.10	
EW1 C1040	Circuit Breaker	3kA	C Curve	1 Pole	40 Amp	39.10	
EW1 C1050	Circuit Breaker	3kA	C Curve	1 Pole	50 Amp	44.70	
EW1 C1063	Circuit Breaker	3kA	C Curve	1 Pole	63 Amp	44.70	
EW1 C1080	Circuit Breaker	10KA	C Curve	1 Pole	80 Amp	274.90	
EW1 C1100	Circuit Breaker	10KA	C Curve	1 Pole	100 Amp	274.90	

12 circuit breakers per box

1 Pole + Neutral (SP and N)

EW1 C2010N	Circuit Breaker	3kA	C Curve	1 Pole + N	10 Amp	78.20	
EW1 C2016N	Circuit Breaker	3kA	C Curve	1 Pole + N	16 Amp	78.20	
EW1 C2020N	Circuit Breaker	3kA	C Curve	1 Pole + N	20 Amp	78.20	
EW1 C2025N	Circuit Breaker	3kA	C Curve	1 Pole + N	25 Amp	78.20	
EW1 C2032N	Circuit Breaker	3kA	C Curve	1 Pole + N	32 Amp	83.80	

12 circuit breakers per box

2 Pole Miniature DIN Circuit Breaker

EW1 C2006	Circuit Breaker	3kA	C Curve	2 Pole	6 Amp	78.20	
EW1 C2010	Circuit Breaker	3kA	C Curve	2 Pole	10 Amp	78.20	
EW1 C2016	Circuit Breaker	3kA	C Curve	2 Pole	16 Amp	78.20	
EW1 C2020	Circuit Breaker	3kA	C Curve	2 Pole	20 Amp	78.20	
EW1 C2025	Circuit Breaker	3kA	C Curve	2 Pole	25 Amp	78.20	
EW1 C2032	Circuit Breaker	3kA	C Curve	2 Pole	32 Amp	83.80	
EW1 C2040	Circuit Breaker	3kA	C Curve	2 Pole	40 Amp	83.80	
EW1 C2050	Circuit Breaker	3kA	C Curve	2 Pole	50 Amp	95.00	
EW1 C2063	Circuit Breaker	3kA	C Curve	2 Pole	63 Amp	95.00	

6 circuit breakers per box

3 Pole Miniature DIN Circuit Breaker

EW1 C3006	Circuit Breaker	3kA	C Curve	3 Pole	6 Amp	145.30	
EW1 C3010	Circuit Breaker	3kA	C Curve	3 Pole	10 Amp	145.30	
EW1 C3016	Circuit Breaker	3kA	C Curve	3 Pole	16 Amp	145.30	
EW1 C3020	Circuit Breaker	3kA	C Curve	3 Pole	20 Amp	145.30	
EW1 C3025	Circuit Breaker	3kA	C Curve	3 Pole	25 Amp	145.30	
EW1 C3032	Circuit Breaker	3kA	C Curve	3 Pole	32 Amp	150.90	
EW1 C3040	Circuit Breaker	3kA	C Curve	3 Pole	40 Amp	150.90	
EW1 C3050	Circuit Breaker	3kA	C Curve	3 Pole	50 Amp	162.00	
EW1 C3063	Circuit Breaker	3kA	C Curve	3 Pole	63 Amp	162.00	
EW1 C3080	Circuit Breaker	10KA	C Curve	3 Pole	80 Amp	537.40	
EW1 C3100	Circuit Breaker	10KA	C Curve	3 Pole	100 Amp	559.20	

4 circuit breakers per box



Specifications:

Voltage rating: 230V/400V 50-60Hz
Circuit Breakers comply with SANS 10142 VC8036
SABS-SANS Auth RCC No. 0712083 Circuit Breakers
1 Module : 17.5mm
2 Modules : 35mm
3 Modules : 52.5mm

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MES ACCESSORIES

Part No.	Description	Price
Timers		
EW1 TD2R	Timer Digital Electronic 7 Day Programable with Reserve 220V 20Amps Rated at 16Amps 1 change over contact. 72 Hour Reserve. Suitable for geysers, pools and lighting installations. Manual or Automatic mode. All wiring and programming may be viewed at website www.mesproducts.co.za/timers	441.30
EW1 B005	Board Blanking Strips 5 Way PVC DIN Clip in type	8.80
EW1 B1055	Busbar Insulated Single Phase 1 Meter 1 x 54 Way	159.80
EW1 B3018	Busbar Insulated Three Phase 1 Meter 3 x 18 Way	407.80
EW1 NU12	Neutral Bar DIN 7 way	24.00
EW1 NE12	Earth Bar DIN 7 way	24.00
EW1 S1008	Surge Arrester 8kA 220VAC DIN 1 Module width For Three Phase: Use 4 Units for L1, L2, L3, N Peak Transient Current: 20KA Visual Indicator	229.00
EW9 DEM011	Single phase digital Kwh meter DIN 63 Amp 1.5 Module Width Class 1	743.00
EW9 DEM021	KWH meter15SJ 2mod 100A single phase	793.30
Isolators (Switch Disconnectors) Single Phase - 2 Pole		
EW1 I2063	Isolator (Switch Disconnecter) 2 Pole 63 Amp	100.60
EW1 I3063	Isolator (Switch Disconnecter) 3 Pole 63 Amp	177.20
Earth leakage Units Single Phase		
EW1 EI2063	Earth Leakage Unit Isolator Type 30mA 1 Pole + N 63 Amp	318.40
EW1 EI4063	Earth Leakage Unit Isolator Type 30mA 3 Pole + N 63 Amp	653.60



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Technical Advice

Rated Area mm ²	No. of Cores -	Sustained Current Ratings			Volt Drop mV	Size of Gland Size
		In Air Amp	Laid Direct Amp	In Ducts Amp		
1.5	2	23	29	23	29	0
	3	20	24	20	25	0
	4	20	24	20	25	0
2.5	2	31	37	31	18	0
	3	26	32	26	15	0
	4	26	32	26	15	0-1
4	2	41	50	41	11	0-1
	3	36	42	34	9.5	1
	4	36	42	34	9.5	1
6	2	53	62	51	7.3	1
	3	45	53	43	6.4	1
	4	45	53	43	6.4	2
10	2	72	83	68	4.4	2
	3	62	70	58	3.8	2
	4	62	70	58	3.8	2
16	2	96	107	88	2.8	2
	3	82	91	75	2.4	2
	4	82	91	75	2.4	3
25	2	128	142	116	1.75	2-3
	3	109	119	96	1.5	3
	4	109	119	96	1.5	3
35	2	156	171	139	1.25	3
	3	133	143	116	1.10	3
	4	133	143	116	1.10	3-4
50	3	162	169	138	0.81	4
	4	162	169	138	0.81	4
70	3	205	210	171	0.57	4
	4	205	210	171	0.57	4-5
95	3	252	251	205	0.43	4-5
	4	252	251	205	0.43	5

Electrical Formula

Required Data	Single Phase	Three Phase	Direct Current
kVA	$V \times I / 1000$	$V \times I \times 1.73 / 1000$	
Kilowatt Output	$V \times I \times \% \text{Eff.} \times P.F. / 1000$	$V \times I \times \% \text{Eff.} \times P.F. / 1000$	$1 \times V \times \% \text{Eff.} / 1000$
Amps when Kw is known	$kW \times 1000 / V \times \% \text{Eff} \times P.F$	$kW \times 1000 / 1.73 \times V \times \% \text{Eff.} \times P.F$	$kW \times 1000 / V \times \% \text{Eff}$

Certification

MES DIN Circuit Breakers Single Pole SABS-SANS RCC No. 0712083

MES DIN Circuit Breakers Double and Triple Pole SABS-SANS RCC No. 0510154

MES Earth Leakage Units- 10A,16A, 20A, 25A, 32A, 40A, 50A, 63A In-30mA, 100mA, 300mA, 50Hz RCC No. 0702002 in accordance to VC 8035: 1999

MES Switch Disconnectors AC21B, AB-21C, In-45A, 50Hz, 2 & 3 Poles SABS-SANS RCC No. 0702003 in accordance to IEC 60947-3

MES Products : Reg No 2007/077441/23

Patents and Designs:

MES shall be entitled to exercise its lawful rights to protect the various design registrations registered in the applicants name.

Any illustrative information or matter that is sent to the Buyer by MES or published by MES shall be regarded as illustrative only, and shall not be binding on MES.

MES reserves the right to change the design of its products at any time , without giving notice of such change to the buyer.



RSA Design Reg. No: A2007/01071 A2007/01069 A2007/01064 A2007/01513 A2007/02071 A2007/02120
F2007/01512 F2007/01070 F2007/01072 F2007/01065 F2007/02072 FF2007/02117



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Digital Timer - Programming and Installation Specifications

Instruction:

- EW1T207R Timer digital 7 day programmable with reserve 220v
- Apply 220 volts to motor (terminal 1 + 2) on timer (Terminal 4 + 5 are voltage free contacts)
- Wait for 5 seconds then push reset button
- Wait for timer to reset (approximately 5 seconds)
- Push and hold down clock button for 3 seconds to switch between 12H or 24H clock display



Setting time and day

- Push and hold down clock button. While holding down the clock button
- Push D+ repeatedly to adjust the current day
- Push H+ repeatedly to adjust the current hour
- Push M+ repeatedly to adjust current minute
- Release the clock button. The current time and day will now be set.

Programming timer

1. Push P button once (program 1 ON appears) push D+ repeatedly until desired day or days are reached, push H+ button repeatedly until desired hour is reached, push M+ repeatedly until desired minute is reached.
2. Push P button once again (program 1 OFF appears) push D+ repeatedly until desired day is reached, push H+ button repeatedly until desired hour is reached, push M+ repeatedly until desired minute is reached.
3. Push clock button once. Program 1 is now set.
 - To set program 2-10 push P button repeatedly until 2 ON appears then repeat steps 1-2
 - For timer to operate automatically press manual button until auto appears on screen
 - To operate timer manually press manual button until ON or OFF appears on screen