



2022 Domestic & EV







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WME Metal Enclosures





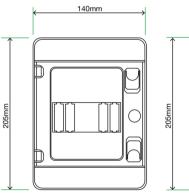
WCED metal consumer units are finished in white polyester powder coating. Multiple circular cable entry knock-outs (25 & 32mm) on top and bottom, 40mm on the sides and back plus larger rear slots.

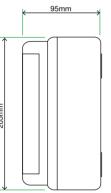
Raised key holes for secure easy installation. Raised din rail improves cable routing. Supplied with neutral and earth terminal bars, neutral cable and pin style bus bar.

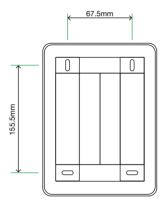
Part No.	Description	Qty	Width	Height	Depth
WME4	4 way metal enclosure	8	130	258	110
WME6	6 way metal enclosure	6	160	258	110
WME8 & 10	8 & 10 way metal enclosure	6	232	258	110
WME12 & 14	12 & 14 way metal enclosure	4	304	258	110
WME16 & 18	16 & 18 way metal enclosure	4	376	258	110
WME20 & 22	20 & 22 way metal enclosure	4	448	258	110



WHA Plastic Enclosures







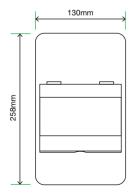
IP65 plastic enclosure, suitable for internal or external use. Internal earth/neutral bars included. Complies with all relevant EN standards.

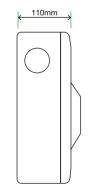
Ideal for installing your EV circuit protection in outdoor locations.

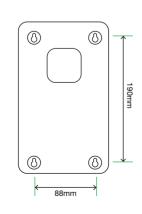
Part No.	Description	Qty	Width	Height	Depth
WHA465	4 way empty plastic enclosure	20	140	205	95
WHA665	6 way empty plastic enclosure	20	176	205	95
WHA865	8 way empty plastic enclosure	20	212	205	95
WHA1065	10 way empty plastic enclosure	20	248	205	95



Metal Garage Units







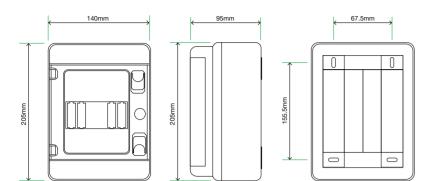
Meets the needs of the 18th Edition wiring regs, all metal construction with drop down lid. Internal Earth/Neutral bars included. Complies with all relevant EN standards







Plastic Garage Units



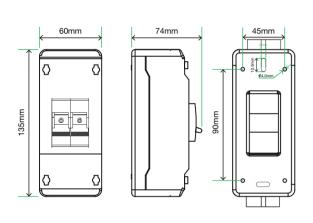
4 mod IP65 plastic garage unit 63A RCD. Suitable for internal or external use. Internal Earth/Neutral bars included. Complies with all relevant EN standards.

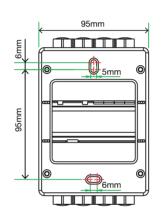
Part No. Description Oty WPGU04/616 63A RCD 6A/16A B MCB 8 WPGU04/620 63A RCD 6A/20A B MCB 8 WPGU04/632 63A RCD 6A/32A B MCB 8 WPMS/616 100A Main switch 6A/16A B MCB 8 WPMS/620 100A Main switch 6A/20A B MCB 8 WPMS/632 100A Main switch 6A/32A B MCB 8

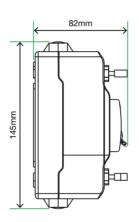




Plastic Meter Isolation





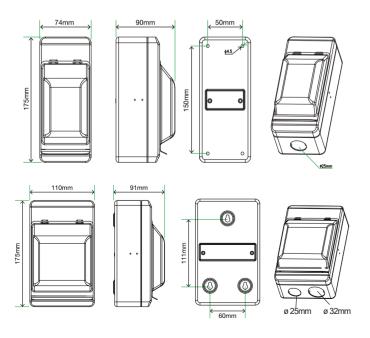


174 2 module m/s/RCD enclosure WEC4 20 145 82 4 module m/s/RCD enclosure 95 2 module enclosure & 100A 2P 2 WEC2100 30 135 174 60 screw terminal main switch 4 module enclosure & 100A 4P 2 20 95 145 82 Screw terminal main switch

WEC Isolators are becoming a required part of a domestic supply arrangement. Often specified by the supply authority as a mandatory part of the installation they are becoming standard in the electrical contractors design.



Metal Meter Isolation



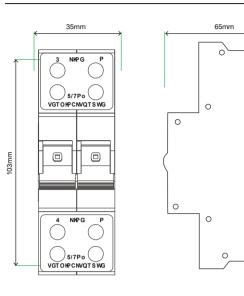
WEC Isolators are becoming a required part of a domestic supply arrangement.

Often specified by the supply authority as a mandatory part of the installation they are becoming standard in the electrical contractors design.

Part No.	Description	Qty	Width	Height	Depth
MEC2100	2 module metal enclosure & 100A 2P 2 screw terminal m/s	30	74	175	90
WME44100	4 module metal enclosure & 100A 4P m/s	20	110	175	90



Twin Screw Main Switch



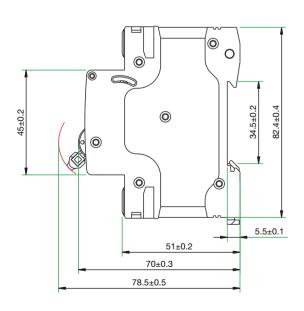
0

- 100A rated
- 230V 2P/400V 4P
- Twin screw terminal for secure connection
- Colour coded handle

Part No.	Description	Qty	Width	Height	Depth
WIS2100	100A 2P 2 screw terminal m/s	1	35	103	65
WIS4100	100A 4P 2 screw terminal m/s	1	70	103	65



6kA MCB's



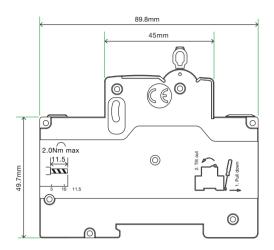


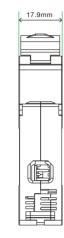
- Rated current In (A): 6,10,16,20,25,32,40,50,63
- Poles: 1P, 3P
- Rated voltage Ue(AC): 230/400V
- Rated frequency: 50/60Hz
- Insulation voltage Ui: 500V
- Rated breaking capacity(A): 6/10 kA
- Rated impulse withstand voltage (1.2/50)
 Uimp (V): 4000
- Dielectric test voltage at ind. Frq for 1 min (kV): 2
- Thermo- magnectic release characteristic: B,C,D
- Electrical life: 8000
- Mechanical life: 20,000
- Contact position degree: IP20
- Reference temperature for setting of thermal element (°C): 30
- Ambient temperature (with daily average <35°C: 5~+40)
- Storage temperature (°C): -25~+70

Part No.	Description	Qty	Width	Height	Depth
WMC1**B	6-63A 1 pole B curve MCB 6kA	12	17.8	82.4	78.5
WMC1**C	6-63A 1 pole C curve MCB 6kA	12	17.8	82.4	78.5



A-type Mini RCBO's





The WRB Range RCBO from WCED brand with A&AC Type RCD protection in one. RCBO's provide residual and overload protection in one neat device. They can detect & respond as for type AC, PLUS pulsating DC components. Ideal for Domestic and Commercial applications.

Switched Live and Neutral

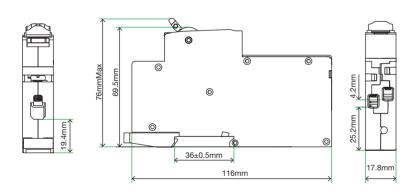
The WRB Range RCBOs with switched neutral built in as standard will fully isolate a faulty or damaged circuit by disconnecting live and neutral conductors. They offers the most comprehensive circuit protection available.

Using the WRB range RCBO's will guarantee that healthy circuits remain in service and that only a faulty circuit is switched off. This avoids danger and prevents inconvenience in the event of a fault. They have switched neutral built-in as standard, live and neutral conductors do not have to be disconnected for insulation resistance testing. This saves time and money.

Part No.	Description	Qty
WRB106B-030	A Type Single Module 6Amp B Curve 30mA High Immunity RCBO	50
WRB110B-030	A Type Single Module 10Amp B Curve 30mA High Immunity RCBO	50
WRB116B-030	A Type Single Module 16Amp B Curve 30mA High Immunity RCBO	50
WRB120B-030	A Type Single Module 20Amp B Curve 30mA High Immunity RCBO	50
WRB132B-030	A Type Single Module 32Amp B Curve 30mA High Immunity RCBO	50
WRB140B-030	A Type Single Module 40Amp B Curve 30mA High Immunity RCBO	50
WRB106C-030	A Type Single Module 6Amp C Curve 30mA High Immunity RCBO	50
WRB110C-030	A Type Single Module 10Amp C Curve 30mA High Immunity RCBO	50
WRB116C-030	A Type Single Module 16Amp C Curve 30mA High Immunity RCBO	50
WRB120C-030	A Type Single Module 20Amp C Curve 30mA High Immunity RCBO	50
WRB132C-030	A Type Single Module 32Amp C Curve 30mA High Immunity RCBO	50
WRB140C-030	A Type Single Module 40Amp C Curve 30mA High Immunity RCBO	50



Single Module Arc Fault Detection Device (AFDD)



The WCED brand WAF range AFDD consists of Type A RCBO and a Arc fault detection module,in a single module DIN rail mounted unit. They combine short circuit, overload, earth leakage protection and arc fault protection and will disconnect Live and Neutral poles in the event of these faults. It could avoid a various of fires caused by short circuit, circuit ageing, heavy load, poor contact, fault electrical devices etc. Automatic control is realised by a built-in computer chip.

Its operating principle:the detected arc impulse is processed,compared and identified by electronic circuit and MCU,once fault arc impulse which easily creates fire is detected,the output will drive tripping unit to cut off the load power supply,so that the fire is prevented.

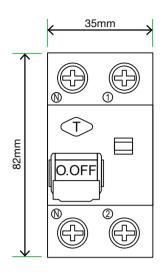
Protective Area

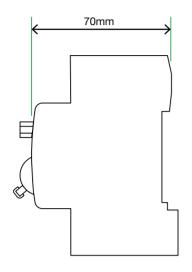
The WAF range AFDD's combines AFDD MCB and A-Type RCD devices. They can detect & respond as for type AC, PLUS pulsating DC components. This allows to provide the highest protection level. Ideal for domestic and commercial applications.

Part No.	Description	Qty
WAF106B-030	A Type Single Module 6Amp B Curve 30mA Arc Fault Detection Device	50
WAF110B-030	A Type Single Module 10Amp B Curve 30mA Arc Fault Detection Device	50
WAF116B-030	A Type Single Module 16Amp B Curve 30mA Arc Fault Detection Device	50
WAF120B-030	A Type Single Module 20Amp B Curve 30mA Arc Fault Detection Device	50
WAF132B-030	A Type Single Module 32Amp B Curve 30mA Arc Fault Detection Device	50
WAF140B-030	A Type Single Module 40Amp B Curve 30mA Arc Fault Detection Device	50



RCD's



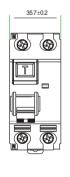


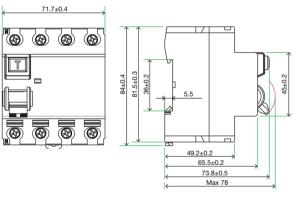
- Pole No: 2, 4
- Rated current(A): 25 40 63 80 100A
- Rated voltage 240/415V AC
- Rated frequency: 50/60Hz
- Rated residual operating current I n(mA): 30, 100
- Rated residual non operating current: 0.51 n
- Rated conditional breaking current Inc: 6000A
- Rated conditional residual breaking current I c: 6000A
- Tripping duration instantaneous tripping < 0.1s
- Residual tripping current range: 0.5l n~l n
- Electro-mechanical endurance:4000 cycles
- Connection capacity Rigid conductor up to 25mm
- Connection terminal screw terminal
- Pillar terminal with clamp
- Fastening torque 2.0 Nm
- Installation: On symmetrical DIN rail 35mm
- Panel mounting

Part No.	Description	Qty	Width	Height	Depth
WRC225-030	25A 30mA 2 pole RCD	60	35	82	70
WRC240-030	40A 30mA 2 pole RCD	60	35	82	70
WRC263-030	63A 30mA 2 pole RCD	60	35	82	70
WRC280-030	80A 30mA 2 pole RCD	60	35	82	70
WRC2100-030	100A 30mA 2 pole RCD	60	35	82	70



Type-A RCD's





The WCED brandType A RCDs detect and respond to sinusoidal residual AC currents and residual pulsating currents up to 6mA

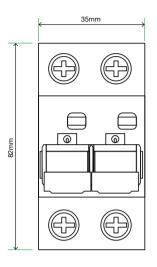
Technical Data

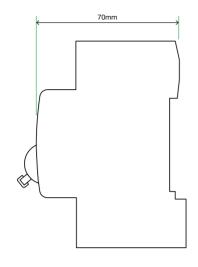
- Mode: electro-magnetic
- Residual current characteristics:A
- · Rated operational voltage:
- 230/400V
- 50Hz Earth-leakage
- sensitivity: 100 mA
- Rated conditional short-circuit current: 6kA
- Mechanical durability: 4000 cycles
- Electrical durability: 2000 cycles
- IP degree of protection: IP20 conforming to BS EN
- 60529 Ambient temperature: -25°C -- +40°C
- Complies with BS EN 61008-1

Part No.	Description	Qty
ARD263-30	2 Pole 63Amp 30mA Type A high immunity RCD	60
ARD280-30	2 Pole 80Amp 30mA Type A high immunity RCD	60
ARD2100-30	2 Pole 100Amp 30mA Type A high immunity RCD	60
ARD463-30	4 Pole 63Amp 30mA Type A high immunity RCD	30
ARD480-30	4 Pole 80Amp 100mA Type A high immunity RCD	30
ARD4100-30	4 Pole 100Amp 30mA Type A high immunity RCD	30



Main Switches



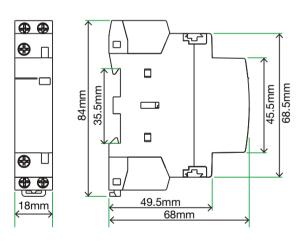


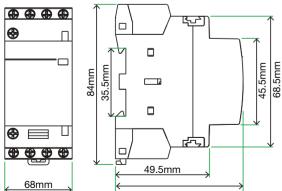
- 100A rated current
- 230/400 rated voltage
- 10000 cycles electrical life
- 10000 operations mechanical life
- BS EN60947-3 Compliant

Part No.	Description	Qty	Width	Height	Depth
WMS2100	2 pole 100A main switch	72	35	82	70
WMS4100	4 pole 100A main switch	72	35	82	70



Modular Contactors





WCED brand modular contactors are designed for use in modular panels and enclosures. Electric ratings: up to 20A, 25A, 40A, 63A, 100A,125A. Compact modular design. No noise during operation. Suitable for housing within a consumer unit or modular enclosure.

Technical Data

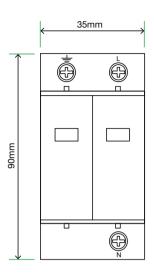
- Rated operational voltage: 230/400V 50Hz
- IP degree of protection: IP20 conforming to BS EN 60529
- Utilization category:AC-7a and AC-1 according to BS EN 60947-4-1
- Ambient temperature: -25°C -- +40°C
- Complies with BS EN 61095
- RecommendedTorque: 2.0Nm
- 60529 Ambient temperature: -25°C -- +40°C
- 35mm Din rail mounting
- Complies with BS EN 61008-1

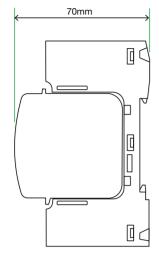
Part No.	Description	Qty
WAC2P20	2 Pole 20A 2NO AC contactor	60
WAC2P25	2 Pole 25A 2NO AC contactor	60
WAC2P32	2 Pole 32A 2NO AC contactor	60
WAC2P40	2 Pole 40A 2NO AC contactor	60
WAC2P63	2 Pole 63A 2NO AC contactor	60
WAC2P100	2 Pole 100A 2NO AC contactor	60
WAC2P125	2 Pole 125A 2NO AC contactor	60
WAC4P20	4 Pole 20A 4NO AC contactor	60
WAC4P25	4 Pole 25A 4NO AC contactor	60
WAC4P32	4 Pole 32A 4NO AC contactor	60
WAC4P40	4 Pole 40A 4NO AC contactor	60
WAC4P63	4 Pole 63A 4NO AC contactor	60
WAC4P100	4 Pole 100A 4NO AC contactor	60
WAC4P125	4 Pole 125A 4NO AC contactor	60





Surge Protection Device





These units give protection against Power Surges and Lightning strikes which can damage sensitive electronic equipment.

2 Pole, 40KA,Type 2.

Part No.	Description	Qty	Width	Height	Depth
WSPD40	Type 2 40KA 2 pole surge arrestor	40	35	90	70



IP40 Metal Surge Arrestor Unit



This unit can be installed to update an installation to the latest 18th edition regs with regards to surge protection. It is installed between the meter and existing consumer unit.

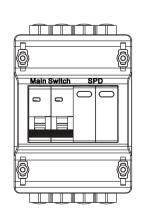
4 module enclosure fitted with 100A main switch and 2P 40kA type 2 surge arrestor.

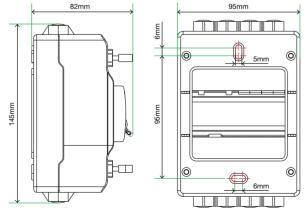
Part No.	Description	Qty	Width	Height	Depth
WME440SP	100A main switch + 40kA surge arrestor	20	110	175	91
WMCU440SP	100A main switch + 40kA surge arrestor	8	130	258	110





WEC Main Switch and Surge





Comprising of:3 part seal and secure enclosure with 2 pole 100A Main Switch and Integral Surge Protection Device SPD240

Function:

Manual control of all kinds of electrical devices.

Applications:

Suitable for resistive and moderately inductive loads eg: switching of lighting and heating control boards in homes, shops, offices, warehouses, factories, hospitals, etc.

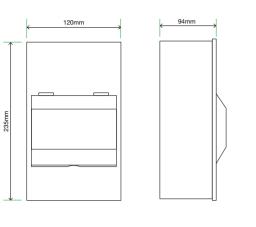
Part No.	Description	Qty	Width	Height	Depth
WEC440SP	100A Main switch & 40kA Surge	20	95	145	82

Features:

All switches are lockable through padlock or by means of a lock.



Metal Switch Fuse



Four way consumer board with a twin-pole 100A incomer and 22x58 fuse holder

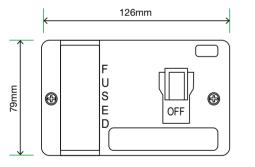
WFMS100

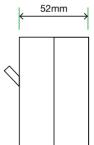
Also available WFMS100/3F includes 63A, 80A and 100A fuses

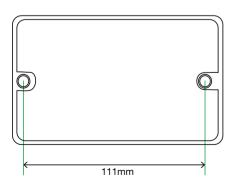
Part No.	Description	Qty
WFMS100	Metal switch fuse 100A Main switch 22×58 fuse holder	8
WFMS1003/F	Metal switch fuse 100A main switch 22×58 fuse holder. Includes 63/80/100A fuses.	8



Fused Main Switch







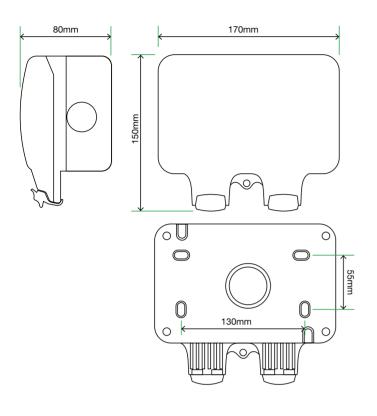
- Non combustible Bakelite material
- Supplied with cable shroud
- 80A & 100A Fuses-General purpose
- Can accommodate max cable 35×35mm
- Can only be removed in OFF position
- 100A/AC21
- Protection/isolation incoming supplies 100A
- Manufactured to BS EN 60497-3

Part No.	Description	Qty	Width	Height	Depth
WFIS100	Fused main switch 80/100A fuses and shroud	30	52	79	126





IP66 13A Weatherproof Sockets and Spur Units



The Weatherproof Socket range comprises a robust poly-carbonate enclosure with durable and interchangeable integrated two gang switched socket.

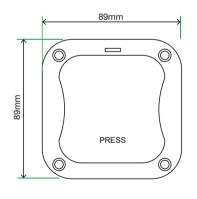
It provides a convenient and safe wall mounted power point for outdoor equipment such as D.I.Y and garden tools and equipment.

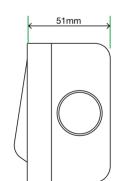
- IP66 water and dust protection
- Robust poly-carbonate housing
- Secure and easy to open lid- catch
- Removable blanking caps on all four sides for cable entry
- Complies with BS1363

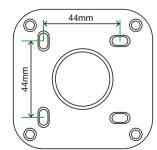
Part No.	Description	Qty	Width	Height	Depth
WPS213	IP66 2 gang weatherproof socket	20	170	150	80
WPS113	IP66 1 gang weatherproof socket	40	112	150	80
WPF13	IP66 weatherproof spur	40	112	150	80



20A Weatherproof Switches







The Weatherproof Switch range comprises a robust poly-carbonate enclosure incorporating a one or two gang Grid Switch Module arrangement. It provides a convenient and safe wall-mounted control for outdoor equipment such as lighting, garden pond pumps, etc up to 20A current rating.

- Weatherproof & dust-tight 20A switch
- IP66 water and dust protection
- Configurable neon indicator
- Robust poly-carbonate housing
- · Multiple gland entry positions
- Ergonomic large switch
- Ideal for garden workshop & commercial applications
- Compiles with BS EN 60669-1

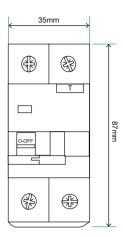
Part No.	Description	Qty	Width	Height	Depth
WS1G2W	Weatherproof 20A 1 gang 2 way switch	50	89	89	51
WS1GR	Weatherproof 20A 1 gang 2 way retractive	50	89	89	51
WS2G2W	Weatherproof 20A 2 gang 2 way switch	50	89	89	51

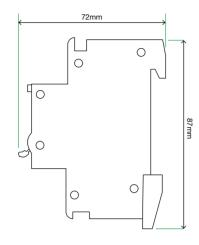






A-Type RCBO





These WCED brand A-type RCBO's are designed specifically for E.V.Chargers. They can detect & respond as for type AC,Plus pulsating DC components.

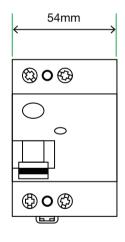
Technical Data

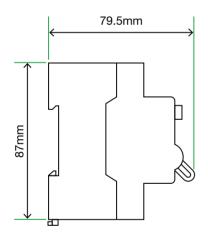
- Rated current(In): 40A
- Rated voltage(Un) 230V AC
- Breaking capacity (lcn) 10kA
- Rated residual current: 30mA
- Tripping characteristics: C
- Electrical endurance: 4000 cycles
- Mechanical endurance: 10000 cycles
- Ambient temperature: -25°C -- +40°C
- RecommendedTorque: 2.5 Nm
- IP20 rated
- Complies with BS EN 61009-1

Part No.	Description	Qty
WER***-30	Type A 6-40A B/C curve 30mA high immunity RCBO	60



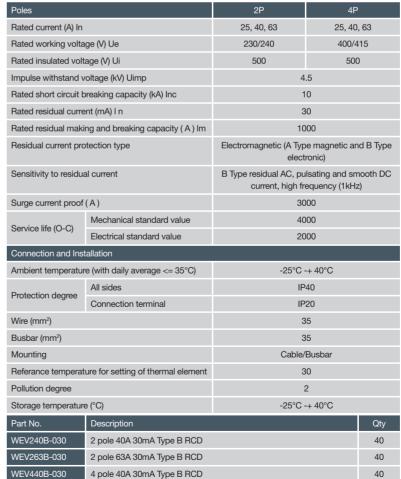
B-Type RCD





WCED brand B-Type RCD provide protection against DC residual fault currents and against AC residual fault currents up to 1000 Hz.

They comply with IEC/EN 62423.Applications included: E.V & R.V installations, frequency converters, UPS installations, high-frequency power converters, building site power supply cabins.





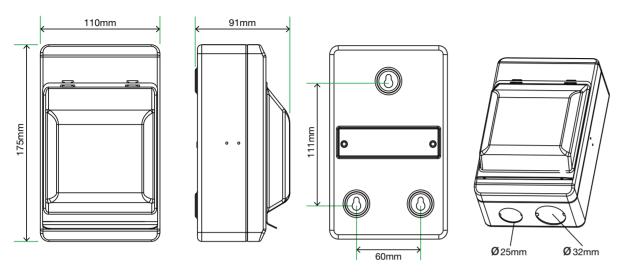
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72mm

Storage temperature	e (O)	-23 C -+ 40 C	
Part No.	Description		Qty
WEV240B-030	2 pole 40A 30mA Type B RCD		40
WEV263B-030	2 pole 63A 30mA Type B RCD		40
WEV440B-030	4 pole 40A 30mA Type B RCD		40
WEV463B-030	4 pole 63A 30mA Type B RCD		40



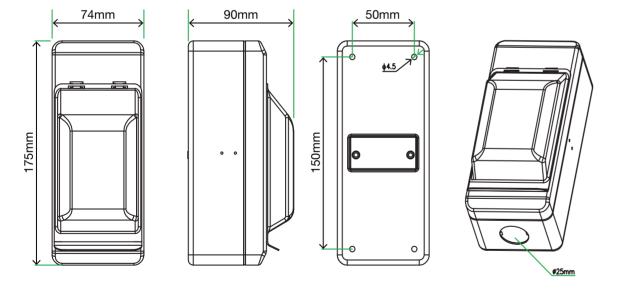
WEV Electric Vehicle Kit



This unit is used especially for electric vehicle installations Which require DC earth leakage detection. B-type RCD and MCB to protect against smooth and Pulsating DC leakage.

B-type RCD DC earth leakage protection. MCB provides overload protection

A-Type Electric Vehicle RCBO Enclosure



This unit provides earth leakage and overload protection for most electrical vehicle installations. The dual switch action indicates the type of fault detected.

- A-type high immunity
- 6-40A current
- 30mA AC earth leakage
- 6mA DC earth leakage

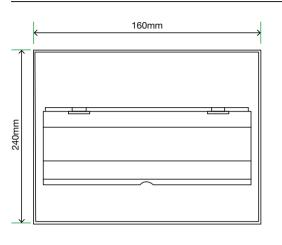
Part No.	Description
WEVKIT63	63A RCD + 40A C MCB



Part No.	Description
WMEV206C/B	RCBO 6A DP C/B Type 30mA
WMEV210C/B	RCBO 10A DP C/B Type 30mA
WMEV216C/B	RCBO 16A DP C/B Type 30mA
WMEV220C/B	RCBO 20A DP C/B Type 30mA
WMEV225C/B	RCBO 25A DP C/B Type 30mA
WMEV232C/B	RCBO 32A DP C/B Type 30mA
WMEV240C/B	RCBO 40A DP C/B Type 30mA



O-Pen: EV Consumer Units



The Pen-loss EV consumer unit is designed to provide a safe and compliant alternative to earth electrode/rod when installing a domestic electric vehicle charging point. This unit continually monitors the electrical system and in the event of a fault it automatically disconnects all poles including the earth conductor.

IP40 rated

106.5mm

- Available in 16A, 32A & 40A options
- BS7671 18th edition compliant
- Protects all types of EV charge points
- Built in type-A RCBO providing overload & 30mA fault current protection
- Built in electrical contactor
- No earth electrode/rod required
- * B or C curve Available

Product No.	PL132R	PL140R	PL16R	
WEVKIT63	32A	40A	16A	
Input Voltage	230V AC/50-60Hz			
Overload & fault current protection	Built in 32A, 30mA type A RCBO	Built in 40A, 30mA type A RCBO	Built in 16A, 30mA type A RCBO	
Earthing		PME fault detection		
Number of ways	8			
Terminals	16mm			
Certifications & Compliance	Low Voltage Directive (LVD) - 2014/365/EU Enviromental protection - BS EN 60529:1992+A2:2013 RCBO - IEC 61009-2-2:1991 Contactor - IEC 60947-4-1:2018,IEC 61095:2009 Enclosure - EN 55014:2006+A1:2009+A2:2011, EN 60335-1:2012+A11:2014 IEC 61009-1:2010+A1+A2+A11+A12, LVD 2014/35/EU Cables - BS6004 ROHS - 2011/65/EU REACH - 1907/2006			
Dimensions	240mm	n × 240mm × 106.5mm (W ×	H × D)	
Enclosure	Epoxy polyester powder coated steel			
Enviromental	IP40 rated, for indoor use only			
Operating temperature	-25°C to +55°C			



Mode 2 E.V Chargers



- For use with Mode 2 EV charging cables (UK 3 pin to type 1 or type 2)
- 13A unswitched socket with 16A B-type RCBO
- IP66 rated protection
- Compatible with all mode 2 EV charging cables
- Suitable for regular outdoor use
- Meets housebuilder EV specification

Part No.	WEV161W	WEV161M
Descriptionjj	Mode 2 socket IP66 includes weatherproof ENC 16A RCBO	Mode 2 socket IP40 includes metal ENC 16A RCBO
Standards	Certified to BS1363-2, B	S EN 60335-1, BS 7671
Rated Output	2.3	kW
Rated Current	10)A
Charging protocol	Mod	de 2
EV Charging compliance	BS EN 62752,BS	S EN 61851-21-1
Input voltage	230V AC 50Hz	(single phase)
Optional surge protection device	EN/IEC 6	1643-11
	BS 7671 Wiring regulation	ons section 443 and 534
Overload & fault current protection	16A 30mA A-Typ	e B curve RCBO
Gland entry	1× M25 top, 2× M25 side, 1× I	M25 bottom, 1× M20/M25 rear



Classic 2.0 E.V Wall Charger

Eco Lite E.V Wall Charger

- · Aluminium alloy main material
- Single phase installer friendly terminals to wire into.
- 6mA DC sensor included
- SLS included (more easily allow a 2nd charger to be installed at a later date and share the same mains installation (50% power share if 2 x EV's re connected)
- 1 phase 5m Tethered cable (possibility to order 8m)
- Built in Pen Fault Protection
- Internal power configuration DIP Switch
- Optional supply optimisation (a remote CT clamp measures the spare capacity of a properties consumer unit so as not to exceed the capacity of the main fuse, this feature is very popular among installers in the UK)
- Has 20mm knockouts, can be drilled to 32mm
- A Key to aid in end user electrical security (see below image, the key is to be inserted on the right of the contactor under the main flap to 'secure' the charge point.)
- No RCD, No RCBO (See pages 16/17 for RCD, RCBO)
- Kits to suit

The EcoLite® Basic is a rugged and compact metal charge point engineered to be stronger and longer lasting than others on the market.Its designed primarily for domestic,light-commercial and simple destination charging.

This mode 3 charger has the core functionality required to charge EVs safely, which includes DC leakage protection. Additionally, two charge points can share one mains supply with the SLS feature, reducing install costs.

Product features

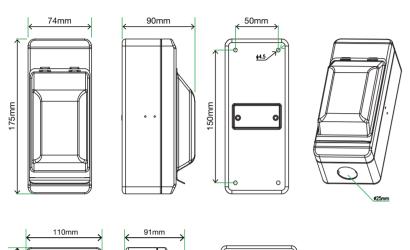
- IEC 61851-1 Mode 3 fast charger
- 6mA DC integrated protection for DC leakage (RCM)
- Future proofingType 2 Socket outlet Supports load sharing technology
- Supports adjustable current up to unit's rated max Adjustable status & halo LED brightness Available for 1-phase or 3-phase systems
- 16A or 32A configuration (3.7kW to 22kW) Compatible with every EV currently on the market
- Compact and simple to install to a wall or post Rugged metal enclosure treated for outdoor use

Product No.	Description	Width	Depth	Height
CEV732PL5	Classic charger includes pen loss unit and 5 meter type 2 charging lead	168	235	100





WME Metal Enclosures



Fully enclosed metal construction body with drop down metal lid, 25 & 32mm circular cable entry knock-outs

On the top and bottom. Raised key holes for secure easy installation.

Modern style finish in polyester powder coating, complete with din rail and earth terminal bar.

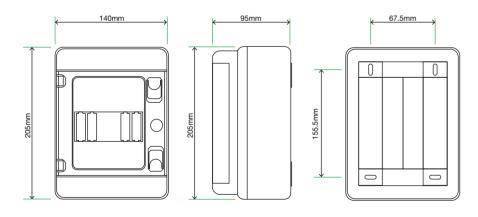
Ideal for installing EV circuit protection in compact spaces.

- 230V/400V~ IP 40 rated.
- Recommended torque: 2.0Nm for earth terminal bar
- Complies with BS EN 61439-3

Part No.	Description	Qty	Width	Height	Depth
WME2L/25	2 way metal enclosure with lid	30	74	175	90
WME3L/32	3 way metal enclosure with lid	20	110	175	91
WME4L/32	4 way metal enclosure with lid	20	110	175	91
WME5L/32	5 way metal enclosure with lid	20	110	175	91



WHA Plastic Enclosures



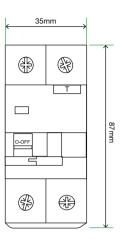
IP65 plastic enclosure, suitable for internal or external use. Internal earth/neutral bars included. Complies with all relevant EN standards.

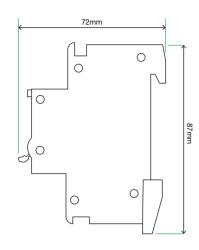
Ideal for installing your EV circuit protection in outdoor locations.

Part No.	Description	Qty	Width	Height	Depth
WHA465	4 way empty plastic enclosure	20	140	205	95
WHA665	6 way empty plastic enclosure	20	176	205	95
WHA865	8 way empty plastic enclosure	20	212	205	95
WHA1065	10 way empty plastic enclosure	20	248	205	95



A-Type RCBO





These WCED brand A-type RCBO's are designed specifically for E.V.Chargers. They can detect & respond as for type AC,Plus pulsating DC components.

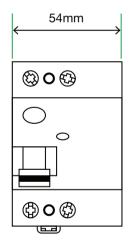
Technical Data

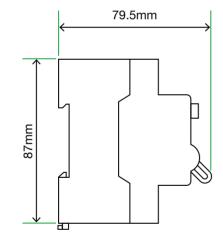
- Rated current(In): 40A
- Rated voltage(Un) 230V AC
- Breaking capacity (lcn) 10kA
- Rated residual current: 30mA
- Tripping characteristics: C
- Electrical endurance: 4000 cycles
- Mechanical endurance: 10000 cycles
- Ambient temperature: -25°C -- +40°C
- RecommendedTorque: 2.5 Nm
- IP20 rated
- Complies with BS EN 61009-1

Part No.	Description	Qty
WER***-30	Type A 6-40A B/C curve 30mA high immunity RCBO	60



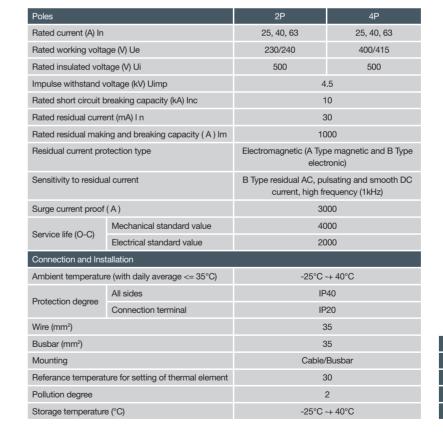
B-Type RCD





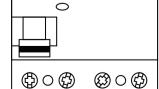
WCED brand B-Type RCD provide protection against DC residual fault currents and against AC residual fault currents up to 1000 Hz.

They comply with IEC/EN 62423.Applications included: E.V & R.V installations, frequency converters, UPS installations, high-frequency power converters, building site power supply cabins.



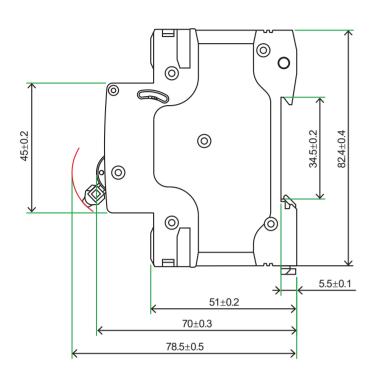


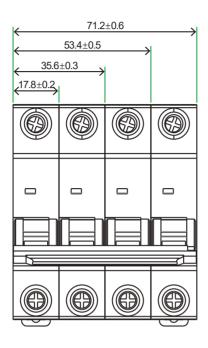
Part No.	Description	Qty
WEV240B-030	2 pole 40A 30mA Type B RCD	40
WEV263B-030	2 pole 63A 30mA Type B RCD	40
WEV440B-030	4 pole 40A 30mA Type B RCD	40
WEV463B-030	4 pole 63A 30mA Type B RCD	40



72mm

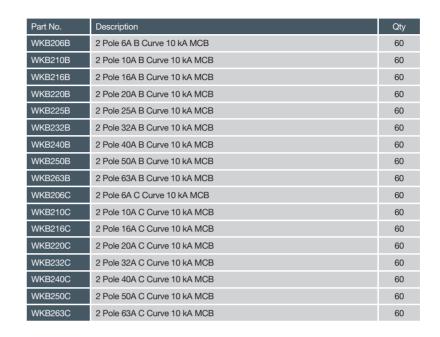
WKB 10kA MCB's 6-63A





These WCED brand MCBs can be the ideal solution for domestic, as well as in commercial and industry electrical, distribution systems because of its long lasting and durable nature.

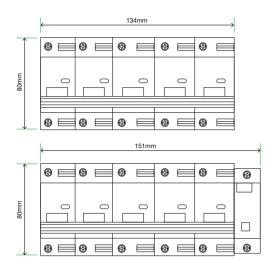
1 / 2 / 3 / 4 pole versions also available

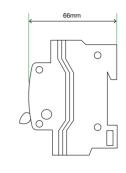




	Rated current In	6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
	Rated voltage Ue	230/400V
	Insulation voltage Ui	500V
	Rated frequency	50/60Hz A C
Electrical	Rated breaking capacity	10,000A
features	Energy limiting class	3
	Rated impulse withstand voltage (1.2/50) Uim p	4000V
	Dielectric test voltage at ind. frequency for 1 min	2kV
	Pollution degree	2
	Thermo-magnetic releas e c haracteristic	B, C, D
	Electrical life	4,000 Cycles
	Mechanical life	20,000 Cycles
	Contact position indicator	Yes
Mechanical	Protection degree	IP20
features	Reference temperature for setting of thermal element	30°C
	Ambient temperature (with daily average = 35°C)	-5°C ~ +40°C
	Storage temperature	-25°C ~ +70°C
	Terminal connection type	Cable/U-type busbar/P in-type busbar
	Terminal size top/bottom for cable	25mm² 18-4AW G
	Terminal size top/bottom for busbar	10mm² 18-8AW G
Installation	Tightening torque	2.5Nm
	Mounting	On DIN rail EN 60715 (35mm) by means of fast clip device
	Connection	From top and bottom

4+5 Pole 100A MCB + Shunt Trip





WKB range 100A high breaking capacity circuit breaker is used for protecting the circuit which overload and short circuit may take place. It can be used in lighting and electric motor distribution systems. Meantime it is applicable to infrequently switch the electric apparatus and light circuit under the normal conditions.

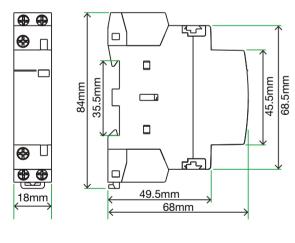
Technical data of the network at the point considered: the earthing (TNS, TNC), short-circuit current at the circuit-breaker installation point, which must always be less than the breaking capacity of this device, network normal voltage.

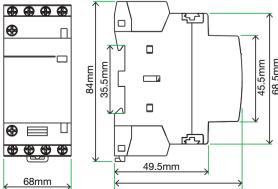
Part No.	Description	Qty
WKB4100C	100A C curve 4 pole MCB 10kA	30
WKB5100C	100A C curve 5 pole MCB 10kA	20
WKB5100C-ST	100A C curve 5 pole MCB 10kA + 230V Shunt Trip	20





Modular Contactors





WCED brand modular contactors are designed for use in modular panels and enclosures. Electric ratings: up to 20A, 25A, 40A, 63A, 100A,125A. Compact modular design. No noise during operation. Suitable for housing within a consumer unit or modular enclosure.

Technical Data

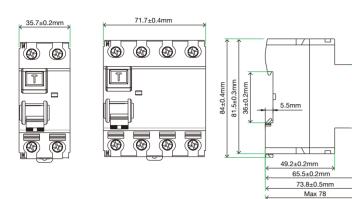
- Rated operational voltage: 230/400V 50Hz
- IP degree of protection: IP20 conforming to BS EN 60529
- Utilization category:AC-7a and AC-1 according to BS EN 60947-4-1
- Ambient temperature: -25°C -- +40°C
- Complies with BS EN 61095
- RecommendedTorque: 2.0Nm
- 60529 Ambient temperature: -25°C -- +40°C
- 35mm Din rail mounting
- Complies with BS EN 61008-1

Part No.	Description	Qty
WAC2P20	2 Pole 20A 2NO AC contactor	60
WAC2P25	2 Pole 25A 2NO AC contactor	60
WAC2P32	2 Pole 32A 2NO AC contactor	60
WAC2P40	2 Pole 40A 2NO AC contactor	60
WAC2P63	2 Pole 63A 2NO AC contactor	60
WAC2P100	2 Pole 100A 2NO AC contactor	60
WAC2P125	2 Pole 125A 2NO AC contactor	60
WAC4P20	4 Pole 20A 4NO AC contactor	60
WAC4P25	4 Pole 25A 4NO AC contactor	60
WAC4P32	4 Pole 32A 4NO AC contactor	60
WAC4P40	4 Pole 40A 4NO AC contactor	60
WAC4P63	4 Pole 63A 4NO AC contactor	60
WAC4P100	4 Pole 100A 4NO AC contactor	60
WAC4P125	4 Pole 125A 4NO AC contactor	60





A-Type Time Delay RCD



The WCED brand Time Delayed RCD is used typically when two RCDs are installed in series, and the time delayed RCD enables discrimination, i.e. in the event of a fault only the 'upstream' RCD should trip

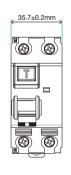
Technical Data

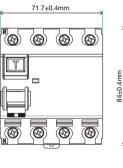
- Mode: electro-magnetic
- Residual current characteristics: A
- Rated operational voltage: 230/400V
- 50Hz Earth-leakage sensitivity: 100mA
- Rated conditional short-circuit current: 6kA
- Mechanical durability: 4000 cycles
- Electrical durability: 2000 cycles
- IP degree of protection: IP20
- Conforming to BS EN 60529 Ambient temperature:
 -25°C -- +40°C
- Complies with BS EN 61008-1

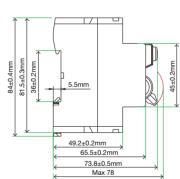
Part No.	Description	Qty
ATDR263-100	2 Pole 63A 100mA Time Delay Type A high immunity RCD	60
ATDR280-100	2 Pole 80A 100mA Time Delay Type A high immunity RCD	60
ATDR2100-100	2 Pole 100A 100mA Time Delay Type A high immunity RCD	60
ATDR463-100	4 Pole 63A 100mA Time Delay Type A high immunity RCD	60
ATDR480-100	4 Pole 80A 100mA Time Delay Type A high immunity RCD	60
ATDR4100-100	4 Pole 100A 100mA Time Delay Type A high immunity RCD	60



Type-A RCD's







The WCED brandType A RCDs detect and respond to sinusoidal residual AC currents and residual pulsating currents up to 6mA

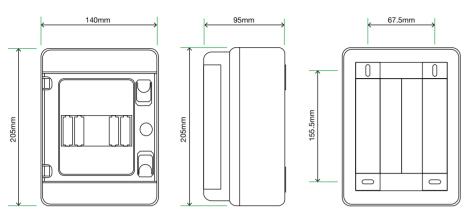
Technical Data

- Mode: electro-magnetic
- Residual current characteristics: A
- Rated operational voltage: 230/400V
- 50Hz Earth-leakage
- Sensitivity: 100 mA
- Rated conditional short-circuit current: 6kA
- Mechanical durability: 4000 cycles
- Electrical durability: 2000 cycles
- IP degree of protection: IP20 conforming to BS EN
- 60529 Ambient temperature: -25°C -- +40°C
- Complies with BS EN 61008-1

Part No.	Description	Qty
ARD263-30	2 Pole 63A 30mA Type A high immunity RCD	60
ARD280-30	2 Pole 80A 30mA Type A high immunity RCD	60
ARD2100-30	2 Pole 100A 30mA Type A high immunity RCD	60
ARD463-30	4 Pole 63A 30mA Type A high immunity RCD	30
ARD480-30	4 Pole 80A 100mA Type A high immunity RCD	30
ARD4100-30	4 Pole 100A 30mA Type A high immunity RCD	30



A-Type Electric Vehicle RCBO Plastic Enclosure (Weatherproof)



This unit provides earth leakage and overload protection for most electrical vehicle installations.

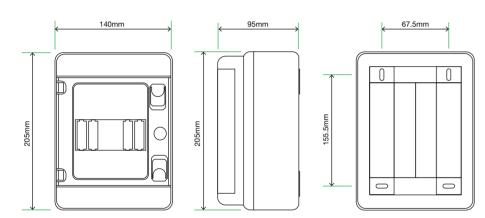
The dual switch action indicates the type of fault detected.

- A-type high immunity
- 6-40A current
- 30mA AC earth leakage
- 6mA DC earth leakage
- IP65 weatherproof

Part No.	Description
WPEV206C/B	RCBO 6A DP C/B Type 30mA
WPEV210C/B	RCBO 10A DP C/B Type 30mA
WPEV216C/B	RCBO 16A DP C/B Type 30mA
WPEV220C/B	RCBO 20A DP C/B Type 30mA
WPEV225C/B	RCBO 25A DP C/B Type 30mA
WPEV232C/B	RCBO 32A DP C/B Type 30mA
WPEV240C/B	RCBO 40A DP C/B Type 30mA



WEV Electric Vehicle Kit (Weatherproof)



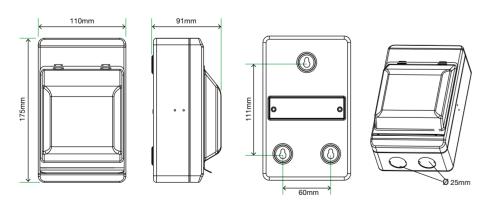
This unit is used especially for electric vehicle installations which require DC earth leakage detection.

- B-type RCD DC earth leakage protection
- · MCB provides overload protection
- IP65 weatherproof

Part No.	Description
WPEVKIT63-EC	63A RCD + 40A C MCB



E.V Connection Unit



WCED E.V Connection unit, for providing protection and isolation of E.V sockets with built in RCBO protection.

- 100A Main switch for isolation.
- 32A MCB for overload protection. (other MCB ratings available, please enquire)

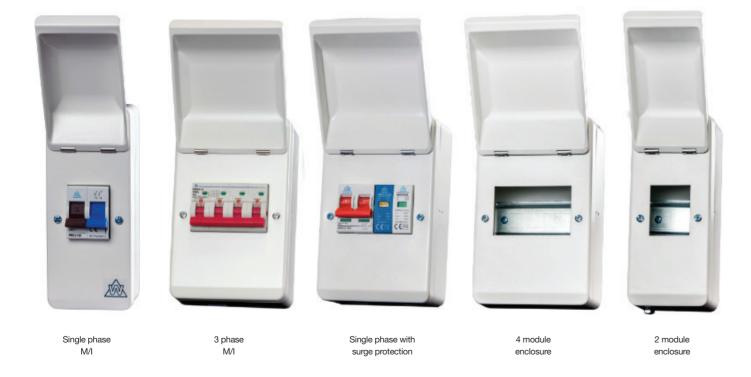
Part No.	Description	Otv
raitino.	Description	Qty
WEVCU	100A main switch & 32A MCB in 3 way mini IP40 metal enclosure	20



Plastic Range



Metal Range



DOMESTIC CIRCUIT PROTECTION

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E.V CHARGING

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INVOICE TERMS AND CONDITIONS

1.1 These Terms and Conditions shall apply to the purchase of the goods detailed overleaf ("Goods") by you ("Buyer") from Famatel UK Limited a company registered in England under number 08187888 whose registered office is at Famatel UK Limited. 2 Laurel House. Station Road, Worle, Weston-super-Mare, North Somerset BS22 6AD

("Seller") and to the payment of this invoice. No other terms and conditions shall apply to the sale of the Goods or to this invoice unless agreed upon in writing between the Buyer and Seller

1.2 The essence of these Terms and Conditions remains the same as those included with the Seller's quotation. The tense has been altered to reflect the inclusion of these Terms and

2. Interpretation

- 2.1 A "business day" means any day other than a Saturday. Sunday or bank holiday. 2.2 The headings in these Terms and Conditions are for convenience only and shall not affect their
- 2.3 Words imparting the singular number shall include the plural and vice-versa.

3. Goods

- 3.1 The description of the Goods is as set out in the Seller's Catalogue and confirmed in the quotation and this invoice. In accepting this quotation the Buyer has acknowledged that it does not rely on any other representations regarding the Goods save for those made in writing by the Seller. No descriptions of the Goods set out in the Seller's quotation or catalogue shall be binding on the Seller and are intended as a guide only.
- 3.2 The Seller reserves the right to make any changes in the specification of the Goods which are required to conform to any applicable safety or other statutory or regulatory requirements.

4. Price

- 4.1 Subject to sub-Clause 4.2, the price ("Price") of the Goods shall be that detailed in the quotation, accepted by the Buyer and confirmed in this invoice.
- 4.2 Any increase in the cost of the Goods to the Seller due to any factor beyond the Seller's control including, but not limited to, material costs, labour costs, alteration of exchange rates or duties, or changes to delivery rates, shall be reflected in this invoice in accordance with the Sellers right to increase the Price prior to delivery.
- 4.3 Any increase in the Price under sub-Clause 4.2 shall only take place upon the Seller informing the Buyer of the increase in writing.
- 4.4 The Price is exclusive of fees for packaging and transportation / delivery.
- 4.5 The Price is exclusive of any applicable VAT and other taxes or levies which are imposed or charged by any competent authority.

5. Basis of Sale

- 5.1 The quotation constitutes written acceptance and confirmation by the Seller of the Buyer's
- 5.2 The quotation is a contractual offer to sell the Goods which the Buyer has accepted. The Seller and the Buyer have entered into a contract for the sale of the Goods.

- 6.1 The Buyer shall pay the Price stated in this invoice within 60 days of the date of this invoice or otherwise in accordance with any credit terms agreed between the Seller and the Buyer.
- 6.2 Payment must be made by the Ruyer notwithstanding that delivery may not have taken place and / or that the property in the Goods has not passed to the Buyer.
- 6.3 If the Buyer fails to make payment within the period in sub-Clause 6.1, the Seller shall suspend any further deliveries to the Buyer, cancel any pending orders from the Buyer and charge the Buyer interest at the rate of 0.5%% per annum above the HSBC Bank base rate from time to time on the amount outstanding until payment is received in full.
- 6.4 Time for payment is of the essence of the Contract between the Seller and the Buyer.
- 6.5 All payments must be made in UK Pounds unless otherwise agreed in writing between the Seller and the Buyer

The Seller has delivered the Goods to the Buyer, enclosing this invoice or has notified the Buyer that the Goods are ready for collection by the Buyer

8. Inspection of Goods

- 8.1 The Buyer is under a duty to inspect the Goods on delivery or collection.
- 8.2 If the Goods cannot be examined, the carriers note or such other note as appropriate must be marked "not examined"
- 8.3 If the Buyer identifies any damage or shortages it must inform the Seller in writing within 15 days of delivery, providing details of the alleged damage or shortage. The Seller shall not be liable if the Buyer fails to provide such notice.
- 8.4 The Seller must be permitted to inspect the affected Goods before the Buyer uses, alters or modifies them in any way.
- 8.5 Subject to the Buyer's compliance with this Clause 8 and the Seller's agreement with any alleged damage or shortages, the Seller shall make good any and all damage and shortages
- 8.6 The Seller shall be under no liability for and shall not indemnify the Buyer against any matters arising from damage or shortages.

inspection

- 9.1 Goods may not be returned without the prior written agreement of the Seller. 9.2 Subject to sub-Clause 9.4, 9.6, 9.7, 11.5 the Seller shall only accept returned Goods if it is satisfied that those Goods are defective and that such defects would not be apparent on
- 9.3 The Seller shall have the option of either replacing defective Goods within 15 days of receipt of them or shall refund to the Buver the Price for those Goods which are defective. 9.4 The Buyer may return any Goods within six months of those Goods coming to market (that is, the launch of such goods) within 60 days of delivery provided that:
- (a) the Buyer bears the risk and cost of returning the Goods:
- (b) the Buyer indemnifies the Seller against any costs incurred in rectifying any deterioration of the Goods resulting from the Buyer's incorrect handling or storage of the Goods.
- 9.5 The Seller shall not be liable for defects arising out of normal wear and tear, the Buyer's failure to follow any instructions given by the Seller, misuse or alteration of the goods, negligence, wilful damage or any other act of the Buyer, its employees, agents or

- any other third party
- 9.6 Specials. All codes that have a code SP at the front of them are not part of Returns policy and will not be accepted back for credit.
- 9.7 All stock returns are subject to our standard 2 for 1 order replacement for all goods returned. subject to confirmation at time of return

10. Risk and Title

- 10.1 Risk of damage to or loss of the Goods shall pass to the Buyer either when the Goods are delivered to the Buyer or when the Seller notifies the Buyer that the Goods are ready for collection 10.2 If the Buyer wrongfully fails to take delivery of the Goods, risk shall pass to the Buyer at the time when the Seller has tendered delivery of the Goods.
- 10.3 Legal and beneficial title in the Goods shall not pass to the Buyer until the Seller has received, in cash or cleared funds, payment in full of the Price.
- 10.4 The Seller reserves the right to repossess any Goods in which the Seller retains legal and beneficial title if full payment is not received in accordance with Clause 6. In the event of such repossession the Buyer shall deliver the Goods in which legal and beneficial title has not passed
- 10.5 The Buyer's right to possession of the Goods in which the Seller retains legal and beneficial title shall terminate if:
- (a) the Buyer commits a material breach of its obligations under these Terms and Conditions: (b) the Buyer is or becomes the subject of a bankruptcy order or takes advantage of any other statutory provision for the relief of insolvent debtors:
- (c) the Buyer enters into a voluntary arrangement under Part 1 of the Insolvency Act 1986, or any other scheme or arrangement is made with its creditors; or
- (d) the Buyer convenes any meeting of its creditors, enters into voluntary or compulsory liquidation, has a receiver, manager, administrator or administrative receiver appointed in respect of its assets or undertakings or any part thereof, any documents are filed with the court for the appointment of an administrator in respect of the Buyer, notice of intention to appoint an administrator is given by the Buyer or any of its directors or by a qualifying floating charge holder (as defined in para, 14 of Schedule B1 of the Insolvency Act 1986), a resolution is passed or petition presented to any court for the winding up of the Buyer or for the granting of an administration order in respect of the Buyer, or any proceedings are commenced relating to the insolvency or possible insolvency of the Buyer.

11. Rights. Warranties and Liability

- 11.1 Subject to these Terms and Conditions and except where the Buyer is purchasing the Goods as a consumer, all warranties, conditions or other terms implied by statute or common law (save for those implied by Section 12 of the Sale of Goods Act 1979) are excluded to the fullest extent
- 11.2 The Seller shall not be liable for any loss or damages of any nature, direct or indirect, including any loss of profits or consequential damages suffered or incurred by the Buyer for whatever reason.
- 11.3 The exclusions of liability contained within this Clause 11 shall not exclude or limit the liability
- (a) for death or personal injury caused by the Seller's negligence:
- (b) for any matter for which it would be illegal for the Seller to exclude or limit its liability;
- 11.4 In the event of any claim against our warranty/product liability cover, you will need to download claim form FMECLF which can be downloaded from our web site.
- 11.5 Famatel UK Ltd standard warranty is 12 months from date of purchase.
- any return outside of this is not permitted and is subject to section 9.

12. Communications

- 12.1 All notices under these Terms and Conditions shall be in writing and signed by, or on behalf of, the party giving notice (or a duly authorised officer of that party).
- 12.2 Notices shall be deemed to have been duly given:
- (a) when delivered, if delivered by courier or other messenger (including registered mail) during the normal business hours of the recipient;
- (b) when sent, if transmitted by fax or email and a successful transmission report or return receipt is generated;
- (c) on the fifth business day following mailing, if mailed by national ordinary mail: or
- (d) on the tenth business day following mailing, if mailed by airmail,
- 12.3 All notices under these Terms and Conditions shall be addressed to the most recent address, email address or fax number notified to the other party.

Neither party shall be liable for any failure or delay in performing their obligations where such failure or delay results from any cause that is beyond the reasonable control of that party. Such causes include, but are not limited to; power failure. Internet Service Provider failure, industrial action, civil unrest, fire, flood, storms, earthquakes, acts of terrorism, acts of war, governmental action or any other event that is beyond the control of the party in question.

14. No Waiver

No waiver by the Seller of any breach of these Terms and Conditions by the Buyer shall be considered as a waiver of any subsequent breach of the same or any other provision.

15. Severance

In the event that one or more of these Terms and Conditions is found to be unlawful, invalid or otherwise unenforceable, that / those provisions shall be deemed severed from the remainder of these Terms and Conditions (which shall remain valid and enforceable).

16. Law and Jurisdiction

- 16.1 These Terms and Conditions (including any non-contractual matters and obligations arising therefrom or associated therewith) shall be governed by, and construed in accordance with, the laws of England and Wales
- 16.2 Any dispute, controversy, proceedings or claim between the Seller and the Buyer relating to these Terms and Conditions (including any non-contractual matters and obligations arising therefrom or associated therewith) shall fall within the jurisdiction of the courts of England and

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