

The cover features a black and white city skyline at night with illuminated buildings, overlaid with a large, semi-transparent circular graphic. Below the skyline is a close-up, high-speed photograph of water splashing, also overlaid with the same circular graphic. A solid orange horizontal band is positioned between the skyline and the water splash.

PRODUCT CATALOGUE

EDITION 19

....giving *you* the edge!

OUR MISSION

To passionately pursue the development of products, services and solutions, that represent 'exceptional value', reflect the inspirational and dynamic culture of the company, while enriching the economy of clients, staff, suppliers and stakeholders involved in the process.

OUR VISION

To be the 'No.1 choice' and 'most trusted source', for all products and services we offer our clients, through an enduring commitment by our entire team, to consistently deliver 'service excellence', 'superior quality', 'functional innovation' and 'tangible value'.

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ABOUT US

MATElec, established in South Africa in 1973 as an Innovator, Manufacturer and Distributor of electrical commodity products, has over the ensuing four decades, steadily developed in to what has become, a highly reputed supplier to the 'Electrical Industry' in many countries around the globe.

In 2002, building on the established, proven and successful Business Model of almost 3 decades, MATElec Australia was born. Recognizing and respecting the strategic role that the 'Electrical Wholesaler' plays in servicing the needs of both industry and the electrical trade, MATElec Australia has worked with electrical wholesalers nationally, establishing long-standing and mutually beneficial relationships.

Now, many years on, MATElec Australia not only sources, warehouses, markets and distributes its electrical products of exceptional value, but also manufactures 'in-house', a vast range of cutting edge pump and motor control products. The manufacturing facility, located in Victoria, has further distinguished the company with the capability to tailor products, to meet specific needs of clients, in the shortest possible turnaround time.

With Research and Development, Design, Manufacturing, Assembly, Testing and Quality Assurance personnel all involved in the manufacturing process, the investment in the Australian community is significant.

Manufactured products are not only distributed nationally, but are now also exported to numerous destinations around the globe.

MATElec Australia with a strong and dynamic 'customer focused' culture, will continue to advance as it continues to create valuable solutions for opportunities that present themselves.

....giving *you* the edge!

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....giving *you* the edge!

CABLE ACCESSORIES

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- 8 STRIP CONNECTORS
- 9 CABLE GLANDS & MULTI-HOLE INSERTS

SADDLES

- 10 316 STAINLESS STEEL
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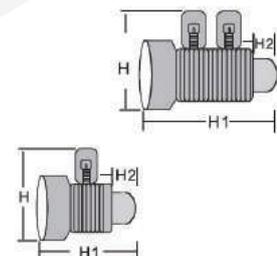
- Tapered Cable Entry
- Deep Flat / Slotted Screw Head, enabling tight positive connection
- Flame Retardant PVC Insulator
- Brass Connector
- Soft / Pliable Material
- High Quality Jar
- Amp rating is based on the current carrying capacity of the conductor (cable)



Code	Description	Packing	MOQ	Ctn
FCN-16224	2 x 6mm ² Double Screw	50/Jar	1 Jar / 50	18
FCN-16226	2 x 6mm ² Single Screw	100/Jar	1 Jar / 100	18
FCN-16229	2 x 6mm ² Single Screw	500/Jar	1 Jar / 500	4
FCN-16230	2 x 6mm ² Double Screw	300/Jar	1 Jar / 300	4
FCN-16235	2 x 16mm ² Double Screw	10/Box	1 Box / 10	750
FCN-16240	2 x 35mm ² Double Screw	10/Box	1 Box / 10	200
SC1-3x6/50	3 x 6mm ² Single Screw	50/Jar	1 Jar / 50	18

SPECIFICATIONS

	2 x 6mm ² SINGLE	2 x 6mm ² DOUBLE	3 x 6mm ² SINGLE	2 x 16mm ² DOUBLE	2 x 35mm ² DOUBLE
H (mm)	22	22	25.2	38	45
H1 (mm)	20.3	27.2	22.16	44.5	58.5
H2 (mm)	4.8	4.8	4.8	8	11.5
Voltage	450	450	450	450	450



STRIP CONNECTORS

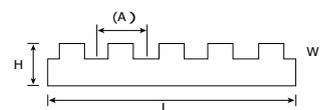
- Temperature Rating: up to 90°C
- Connector - Solid Brass
- Screws - Anodised Flat Head
- 12 Pole / 2 Way
- Flexible / Pliable Material
- Voltage - 380V



Code	Description	Packing	MOQ	Ctn
FCN-16110-N	3 amp 4mm ² - Natural	10	10	1000
FCN-16120-N	5 amp 6mm ² - Natural	10	10	1000
FCN-16125-N	10 amp 10mm ² - Natural	10	10	500
FCN-16130-N	15 amp 12mm ² - Natural	10	10	500
FCN-16135-N	20 amp 14mm ² - Natural	10	10	400
FCN-16140-N	30 amp 16mm ² - Natural	10	10	300
FCN-16150-N	60 amp 25mm ² - Natural	10	10	200

SPECIFICATIONS

Code	Amps	Length (mm)	Height (mm)	Width (mm)	Cable Entry (mm)	Mounting Spacing (A) (mm)
FCN-16110-N	3	93	13.5	17	3.0	8
FCN-16120-N	5	113	13	16	3.5	9.5
FCN-16125-N	10	129	16	21	3.8	11.5
FCN-16130-N	15	138	17	22.5	4.2	11.5
FCN-16135-N	20	140	17.5	22	4.7	12.0
FCN-16140-N	30	166	18.5	25.5	5.5	14.5
FCN-16150-N	60	185c	26c	30c	6.4	16.1



- Rated to IP68
- Nylon 66
- UV Resistant
- Complete with Rubber Gasket
- Vibration Resistant - Ratchet Action
- Operating Temperature Range of -40°C to 100°C
- 1.5 Metric Threads
- RoHS Compliant
- Multi Hole Inserts - NBR Rubber



**MULTI-HOLE
INSERTS SOLD
SEPARATELY**



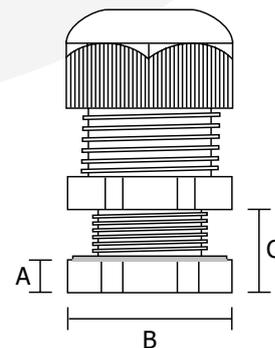
Code	Description	Packing	MOQ	Ctn
FGL-33160	Nylon Cable Gland - 12mm - Black	100	100	4500
FGL-33161	Nylon Cable Gland - 16mm - Black	50	50	1350
FGL-33162	Nylon Cable Gland - 20mm - Black	40	40	1440
FGL-33163	Nylon Cable Gland - 25mm - Black	20	20	600
FGL-33164	Nylon Cable Gland - 32mm - Black	15	15	480
FGL-33165	Nylon Cable Gland - 40mm - Black	6	6	240
FGL-33166	Nylon Cable Gland - 50mm - Black	3	3	192
FGL-33167	Nylon Cable Gland - 63mm - Black	2	2	96

Multi-Hole Inserts

MHI-M25/2X5.7	M25 Insert - 2 x 5.7mm Hole	100	100	1000
MHI-M25/3X7.0	M25 Insert - 3 x 7.0mm Hole	100	100	1000
MHI-M25/4X6.0	M25 Insert - 4 x 6.0mm Hole	100	100	1000
MHI-M25/5X5.0	M25 Insert - 5 x 5.0mm Hole	100	100	1000

SPECIFICATIONS

Code	A (mm)	B (mm)	C (mm)	Cable Size
FGL-33160	5	20	8	3 - 6.5
FGL-33161	5	24	15	5 - 10
FGL-33162	6	29	15	10 - 14
FGL-33163	6	36	15	14 - 18
FGL-33164	7	45	15	18 - 25
FGL-33165	7	56	14	22 - 32
FGL-33166	7	68	15	30 - 38
FGL-33167	8	84	20	34 - 44



SADDLES - 316 GRADE STAINLESS STEEL

- Manufactured From 316 Grade Stainless Steel
- Non Corrosive
- Suitable for marine and submerged applications
- Strength Rib for Stronger Rigidity
- Fixing Hole Ø: 6.5mm
- Material Thickness: Full Saddles - 0.8mm
Half Saddles - 1.2mm
- Comprehensive Range



Code	Description	Strip Width	Packing	MOQ	Ctn
FGS-26000	316 S/Steel Saddle - 12mm - Half	19mm	100	100	2000
FGS-26100	316 S/Steel Saddle - 16mm - Half	20mm	100	100	1600
FGS-26200	316 S/Steel Saddle - 20mm - Half	20mm	100	100	1200
FGS-26300	316 S/Steel Saddle - 25mm - Half	24mm	100	100	800
FGS-26400	316 S/Steel Saddle - 32mm - Half	25mm	60	60	720
FGS-26500	316 S/Steel Saddle - 40mm - Half	32mm	45	45	540
FGS-26600	316 S/Steel Saddle - 50mm - Half	40mm	20	20	360
FGS-27000	316 S/Steel Saddle - 12mm - Full	16mm	100	100	2000
FGS-27100	316 S/Steel Saddle - 16mm - Full	17mm	100	100	1600
FGS-27200	316 S/Steel Saddle - 20mm - Full	17mm	100	100	1200
FGS-27300	316 S/Steel Saddle - 25mm - Full	20mm	100	100	800
FGS-27400	316 S/Steel Saddle - 32mm - Full	24mm	60	60	720
FGS-27500	316 S/Steel Saddle - 40mm - Full	24mm	45	45	540
FGS-27600	316 S/Steel Saddle - 50mm - Full	23mm	20	20	360

SADDLES - HOT-DIPPED GALVANISED

- Hot Dipped Galvanised - Post forming
- Heavy Duty Corrosion Resistant
- Strength Rib for Stronger Rigidity
- Fixing Hole Ø: 6.5mm
- Material Thickness: Full Saddle - 0.8mm
Half Saddle - 1.2mm



Code	Description	Strip Width	Packing	MOQ	Ctn
FGS-28200	Hot Dipped Galv Saddle - 20mm - Half	20mm	100	100	1200
FGS-28300	Hot Dipped Galv Saddle - 25mm - Half	24mm	100	100	800
HS-32HDG	Hot Dipped Galv Saddle - 32mm - Half	25mm	60	60	720
FGS-29200	Hot Dipped Galv Saddle - 20mm - Full	17mm	100	100	1200
FGS-29300	Hot Dipped Galv Saddle - 25mm - Full	20mm	100	100	800

SADDLES - ZINC PLATED

- Manufactured from Galvanised Strip Steel
- Zinc Plated for finish and additional edge protection
- Strength Rib for Stronger Rigidity
- Fixing Hole Ø: 6.5mm
- Material Thickness: Full Saddle - 0.8mm
Half Saddle - 1.2mm
- Comprehensive Range



Code	Description	Strip Width	Packing	MOQ	Ctn
FGS-25100	Zinc Plated Saddle - 16mm - Half	20mm	100	100	1600
FGS-25200	Zinc Plated Saddle - 20mm - Half	20mm	100	100	1200
FGS-25300	Zinc Plated Saddle - 25mm - Half	24mm	100	100	800
FGS-25400	Zinc Plated Saddle - 32mm - Half	25mm	60	60	720
FGS-25500	Zinc Plated Saddle - 40mm - Half	32mm	45	45	540
FGS-25600	Zinc Plated Saddle - 50mm - Half	40mm	20	20	360
FGS-24200	Zinc Plated Saddle - 20mm - Full	17mm	100	100	1200
FGS-24300	Zinc Plated Saddle - 25mm - Full	20mm	100	100	800
FGS-24340	Zinc Plated Saddle - 32mm - Full	24mm	60	60	720
FGS-24350	Zinc Plated Saddle - 40mm - Full	24mm	45	45	540
FGS-24360	Zinc Plated Saddle - 50mm - Full	23mm	20	20	360

- Spring Steel
- High Impact Resistance
- Packed in jars for added convenience
- Zinc Plated



Code	Description	Packing	MOQ	Ctn
FGC-10020	Girder Clip - 16-20mm	100 / Jar	1 Jar	15
FGC-10030	Girder Clip - 25-32mm	100 / Jar	1 Jar	8

CABLE CLIPS

- Clip - Impact Resistant Polypropylene
- Nail - Zinc Plated Hardened Steel (Rockwell 47 Hardness)
- Moulded Cable Grips
- High Quality Jar / Crate
- Comprehensive Range



Code	Description			Packing	MOQ	Ctn
FCC-42010	10mm	1.5mm ²	2 core + E	500/Jar	1 Jar	18
FCC-42012	12mm	2.5mm ²	2 core + E	500/Jar	1 Jar	12
FCC-42210-B	10mm	1.5mm ²	2 core + E	1000/Bag	1 Bag	16
FCC-42212-B	12mm	2.5mm ²	2 core + E	1000/Bag	1 Bag	10
FCC-1.5/5000	10mm	1.5mm ²	2 core + E	5000/Crate	1 Crate	1
FCC-2.5/5000	12mm	2.5mm ²	2 core + E	5000/Crate	1 Crate	1
FCC-42210	10mm	1.5mm ²	2 core + E	10000/Crate	1 Crate	1
FCC-42212	12mm	2.5mm ²	2 core + E	10000/Crate	1 Crate	1
FCC-6.OR100B	6mm	Coax Cable		100/Box	1 Box	185

- Nylon 66 Material
- Temperature Rating: -40°C to 80°C
- Flammability - U.L. 94V-2
- UV Stability - Conforms to ASTM-D-4066
- Smooth rounded edges, for safe handling
- Closely spaced locking teeth permit fine adjustment
- No metal parts (head and pawl are integrally moulded)
- Bent tip allows for easier pick up, insertion and pull-up
- Material made in USA
- RoHS Compliant
- Other sizes available on request
- Halogen Free



Code	Description	Min Ø	Max Ø	Rated Load	Packing	MOQ	Ctn
NCT-100/25B	100 x 2.5mm Black	3mm	21mm	8kg	100/Pack	1 Pack	500
NCT-100/25N	100 x 2.5mm Natural	3mm	21mm	8kg	100/Pack	1 Pack	500
NCT-150/32B	150 x 3.2mm Black	3mm	32mm	18kg	100/Pack	1 Pack	200
NCT-150/32B/1000	150 x 3.2mm Black	3mm	32mm	18kg	1000/Pack	1 Pack	10
NCT-150/32N	150 x 3.2mm Natural	3mm	32mm	18kg	100/Pack	1 Pack	200
NCT-200/48B	200 x 4.8mm Black	3mm	50mm	22kg	100/Pack	1 Pack	100
NCT-200/48B/1000	200 x 4.8mm Black	3mm	50mm	22kg	1000/Pack	1 Pack	10
NCT-200/48N	200 x 4.8mm Natural	3mm	50mm	22kg	100/Pack	1 Pack	100
NCT-200/48N/1000	200 x 4.8mm Natural	3mm	50mm	22kg	1000/Pack	1 Pack	10
NCT-250/48B	250 x 4.8mm Black	3mm	65mm	22kg	100/Pack	1 Pack	100
NCT-250/48B/1000	250 x 4.8mm Black	3mm	65mm	22kg	1000/Pack	1 Pack	10
NCT-300/48B	300 x 4.8mm Black	3mm	81mm	22kg	100/Pack	1 Pack	80
NCT-300/48B/1000	300 x 4.8mm Black	3mm	81mm	22kg	1000/Pack	1 Pack	10
NCT-300/48N	300 x 4.8mm Natural	3mm	81mm	22kg	100/Pack	1 Pack	80
NCT-300/48N/1000	300 x 4.8mm Natural	3mm	81mm	22kg	1000/Pack	1 Pack	10
NCT-300/76B	300 x 7.6mm Black	6mm	81 mm	55kg	100/Pack	1 Pack	30
NCT-370/48B	370 x 4.8mm Black	3mm	104mm	22kg	100/Pack	1 Pack	50
NCT-370/76B	370 x 7.6mm Black	6mm	104mm	55kg	100/Pack	1 Pack	30
NCT-450/76B	450 x 7.6mm Black	6mm	131mm	55kg	100/Pack	1 Pack	20
NCT-540/76B	540 x 7.6mm Black	6mm	159mm	55kg	100/Pack	1 Pack	10
NCT-810/90B	810 x 9.0mm Black	9mm	245mm	80kg	100/Pack	1 Pack	10
NCT-1220/90B	1220 x 9.0mm Black	9mm	376mm	80kg	100/Pack	1 Pack	5

CABLE TIES - 316 STAINLESS STEEL

- Marine Grade 316 (non-Magnetic) Stainless Steel Construction
- Unique, stainless steel 'ball bearing' locking mechanism
- Rounded 'off-set' tip, to speed up insertion
- Smooth rounded edges, for safe handling
- Self-locking, for easier and faster installation compared with traditional restraint systems
- An efficient and effective way of securing cables or other materials in environmentally harsh and corrosive conditions
- Provides heavy duty and long-lasting cable bundling solution in comparison to nylon cable ties
- Suited to: Solar, Commercial, Industrial, Mining, Marine and Infrastructure installations
- Also available with polyester coating for specified applications
- Working Temperature: -80°C to 538°C
- Minimum Tensile - 1568N (160kg)
- Excellent Chemical Resistance
- Non Flammable
- Excellent UV Resistance



Code	Description	Packing	MOQ	Ctn
SCT-150/46SS	S/Steel Cable Tie 150x4.6mm	100/Pack	1 Pack	50
SCT-200/46SS	S/Steel Cable Tie 200x4.6mm	100/Pack	1 Pack	50
SCT-200/79SS	S/Steel Cable Tie 200x7.9mm	100/Pack	1 Pack	25
SCT-260/46SS	S/Steel Cable Tie 260x4.6mm	100/Pack	1 Pack	50
SCT-290/46SS	S/Steel Cable Tie 290x4.6mm	100/Pack	1 Pack	25
SCT-360/46SS	S/Steel Cable Tie 360x4.6mm	100/Pack	1 Pack	25
SCT-360/79SS	S/Steel Cable Tie 360x7.9mm	100/Pack	1 Pack	25
SCT-520/46SS	S/Steel Cable Tie 520x4.6mm	100/Pack	1 Pack	25
SCT-520/79SS	S/Steel Cable Tie 520x7.9mm	100/Pack	1 Pack	10
SCT-520/12SS	S/Steel Cable Tie 520x12mm	100/Pack	1 Pack	10
SCT-680/46SS	S/Steel Cable Tie 680x4.6mm	100/Pack	1 Pack	25

- Marine Grade 316 (non-Magnetic) Stainless Steel Construction
- Polyester Coated
- Unique, stainless steel 'ball bearing' locking mechanism
- Rounded 'off-set' tip, to speed up insertion
- Smooth rounded edges, for safe handling
- Self-locking, for easier and faster installation compared with traditional restraint systems
- An efficient and effective way of securing cables or other materials in environmentally harsh and corrosive conditions
- Provides heavy duty and long-lasting cable bundling solution in comparison to nylon cable ties
- Suited to: Solar, Commercial, Industrial, Mining, Marine and Infrastructure installations
- Working Temperature: -40°C to 110°C
- Minimum Tensile - 1568N (160kg)
- Excellent Chemical Resistance
- Non Flammable
- Excellent UV Resistance



**SEE PG31 FOR
TENSIONING
TOOL/GUN**

Code	Description	Packing	MOQ	Ctn
CCT-150/46SS	Coated S/Steel Cable Tie 150x4.6mm	100/Pack	1	50
CCT-200/46SS	Coated S/Steel Cable Tie 200x4.6mm	100/Pack	1	50
CCT-260/46SS	Coated S/Steel Cable Tie 260x4.6mm	100/Pack	1	25
CCT-290/46SS	Coated S/Steel Cable Tie 290x4.6mm	100/Pack	1	25
CCT-360/46SS	Coated S/Steel Cable Tie 360x4.6mm	100/Pack	1	25
CCT-360/79SS	Coated S/Steel Cable Tie 360x4.6mm	100/Pack	1	20

TAPE - RAINBOW / INSULATION

- 20m x 19mm rolls
- High Quality Material
- Individually wrapped
- Flame Retardant and Cold Resistant
- Temperature Rating: -20°C to 80°C
- High Chemical Resistance
- Excellent Adhesion
- Excellent Weatherability
- Mixed Pack: 3 Black, 2 Red, 2 Blue, 2 White & 1 Green/Yellow



Code	Description	Packing	MOQ	Ctn
FTA-10020	Standard Duty 0.19mm - Mixed Pack	1 Pack/10 Rolls	1 Pack	20 packs



- 30m x 48mm rolls
- High Quality Material
- Individually Wrapped
- Flame Retardant and Cold Resistant
- Temperature Rating: -20°C to 80°C
- High Chemical Resistance
- Excellent Adhesion
- Excellent Weatherability



Code	Description	Packing	MOQ	Ctn
FTA-10050	Grey 48mm x 30m	1	1	40
FTA-10055	Black 48mm x 30m	1	1	40



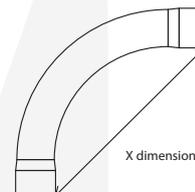
- Manufactured according to AS/NZS 2053 Standard
- Stainless Steel screws used on all Inspection products and Junction Boxes (Tees, Elbows and Junction Boxes)
- Snug Fit on conduit tubing
- Heavy Duty Construction
- Comprehensive Range

SCREW ADAPTORS

Code	Description	Packing	MOQ	Ctn
ADAP-20G/PS	Screw Adaptor - 20mm - Grey - Plain/Screw	50	50	1000
ADAP-25G/PS	Screw Adaptor - 25mm - Grey - Plain/Screw	50	50	1000
ADAP-32G/PS	Screw Adaptor - 32mm - Grey - Plain/Screw	50	50	500
ADAP-40G/PS	Screw Adaptor - 40mm - Grey - Plain/Screw	20	20	400
ADAP-50G/PS	Screw Adaptor - 50mm - Grey - Plain/Screw	100	10	100

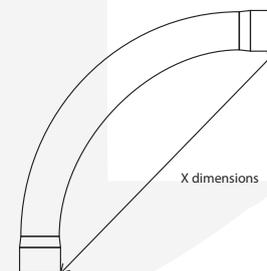


90° STANDARD BENDS



Code	Description	Packing	MOQ	Ctn	x (mm)
BEND-20G/STD	90° Standard Bend - 20mm - Grey	50	50	500	66
BEND-25G/STD	90° Standard Bend - 25mm - Grey	20	20	200	87
BEND-32G/STD	90° Standard Bend - 32mm - Grey	10	10	200	165
BEND-40G/STD	90° Standard Bend - 40mm - Grey	1	1	120	170
BEND-50G/STD	90° Standard Bend - 50mm - Grey	1	1	60	223

SWEEP BENDS



Code	Description	Packing	MOQ	Ctn	x (mm)
BEND-20G/SWP	90° Sweep Bend - 20mm - Orange - (HD)	1	1	500	165
BEND-25G/SWP	90° Sweep Bend - 25mm - Orange - (HD)	1	1	250	215
BEND-32G/SWP	90° Sweep Bend - 32mm - Orange - (HD)	1	1	140	275
BEND-40G/SWP	90° Sweep Bend - 40mm - Orange - (HD)	1	1	60	385
BEND-50G/SWP	90° Sweep Bend - 50mm - Orange - (HD)	1	1	32	460

CONDUIT CLIP

Code	Description	Packing	MOQ	Ctn
CLIP-20G/PVC	Conduit Clip - 20mm - Grey	100	100	2000
CLIP-25G/PVC	Conduit Clip 25mm - Grey	100	100	2000
CLIP-32G/PVC	Conduit Clip 32mm - Grey	50	50	1000



COUPLINGS

Code	Description	Packing	MOQ	Ctn
COUP-20G	Coupling - 20mm - Grey	50	50	1000
COUP-25G	Coupling - 25mm - Grey	50	50	1000
COUP-32G	Coupling - 32mm - Grey	20	20	400
COUP-40G	Coupling - 40mm - Grey	1	1	400
COUP-50G	Coupling - 50mm - Grey	1	1	100
COUP-63G	Coupling - 63mm - Grey	1	1	66



PLAIN/SCREW COUPLINGS

Code	Description	Packing	MOQ	Ctn
COUP-20G/PS	Coupling - 20mm - Grey - Plain/Screw	50	50	1000
COUP-25G/PS	Coupling - 25mm - Grey - Plain/Screw	50	50	1000
COUP-32G/PS	Coupling - 32mm - Grey - Plain/Screw	20	20	400
COUP-40G/PS	Coupling - 40mm - Grey - Plain/Screw	5	5	300
COUP-50G/PS	Coupling - 50mm - Grey - Plain/Screw	5	5	200



SOLID ELBOWS

Code	Description	Packing	MOQ	Ctn
ELB-20G	Solid Elbow - 20mm - Grey	20	20	400
ELB-25G	Solid Elbow - 25mm - Grey	20	20	400



INSPECTION ELBOWS

Code	Description	Packing	MOQ	Ctn
ELB-20G/IN	Inspection Elbow - 20mm - Grey	20	20	400
ELB-25G/IN	Inspection Elbow - 25mm - Grey	20	20	400
ELB-32G/IN	Inspection Elbow - 32mm - Grey	10	10	200



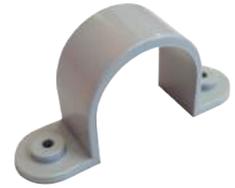
LOCATING FLANGES

Code	Description	Packing	MOQ	Ctn
FLAN-20/LOC	Locating Flange - 20mm - Orange	10	10	200
FLAN-25/LOC	Locating Flange - 25mm - Orange	10	10	200



PLASTIC SADDLES

Code	Description	Packing	MOQ	Ctn
FS-20G/PVC	Plastic Saddle - 20mm - Full - Grey	100	100	2000
FS-25G/PVC	Plastic Saddle - 25mm - Full - Grey	100	100	2000
FS-32G/PVC	Plastic Saddle - 32mm - Full - Grey	50	50	1000



CORRUGATED GLANDS

Code	Description	Packing	MOQ	Ctn
GLA-20G/COR	Corrugated Glands - 20mm - Grey	50	50	1000
GLA-25G/COR	Corrugated Glands - 25mm - Grey	50	50	500
GLA-32G/COR	Corrugated Glands - 32mm - Grey	20	20	400



DISPOSABLE LIDS

Code	Description	Packing	MOQ	Ctn
LID-25/DISP	Disposable Lid - 25mm - Orange	20	20	200



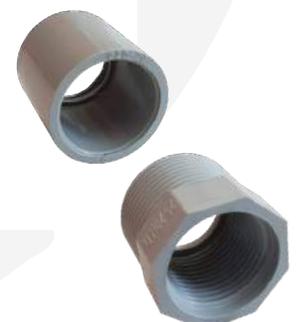
CONDUIT PLUGS

Code	Description	Packing	MOQ	Ctn
PLUG-20G/PVC	Conduit Plug - 20mm - Grey	100	100	1000
PLUG-25G/PVC	Conduit Plug - 25mm - Grey	100	100	1000



REDUCERS

Code	Description	Packing	MOQ	Ctn
RED-20/16G/PL	Plain Reducer - 20/16mm - Grey	50	50	1000
RED-25/20G/PL	Plain Reducer - 25/20mm - Grey	50	50	1000
RED-32/25G/PL	Plain Reducer - 32/25mm - Grey	50	50	1000
RED-40/32G/PL	Plain Reducer - 40/32mm - Grey	20	20	400
RED-50/40G/PL	Plain Reducer - 50/40mm - Grey	20	20	400
RED-25/20G/TH	Thread Reducer - 25/20mm - Grey	50	50	1000



EXTENSION RINGS

Code	Description	Packing	MOQ	Ctn
RING-25G/EX	Extension Ring - 25mm - Grey	20	20	200



STRAIGHT TEES

Code	Description	Packing	MOQ	Ctn
TEE-20G	Straight Tee - 20mm - Grey	20	20	400
TEE-25G	Straight Tee - 25mm - Grey	20	20	400



INSPECTION TEES

Code	Description	Packing	MOQ	Ctn
TEE-20G/IN	Inspection Tee - 20mm - Grey	20	20	400
TEE-25G/IN	Inspection Tee - 25mm - Grey	10	10	200
TEE-32G/IN	Inspection Tee - 32mm - Grey	5	5	50



1-WAY SHALLOW JUNCTION BOXES

Code	Description	Packing	MOQ	Ctn
JBS-20G/1	1 Way Shallow J-Box - 20mm - Grey	10	10	100
JBS-25G/1	1 Way Shallow J-Box - 25mm - Grey	10	10	100



2-WAY STRAIGHT SHALLOW JUNCTION BOXES

Code	Description	Packing	MOQ	Ctn
JBS-20G/2	2 Way Straight Shallow J-Box - 20mm - Grey	10	10	100
JBS-25G/2	2 Way Straight Shallow J-Box - 25mm - Grey	10	10	100



2-WAY ANGLE SHALLOW JUNCTION BOXES

Code	Description	Packing	MOQ	Ctn
JBS-20G/2A	2 Way Angle Shallow J-Box - 20mm - Grey	10	10	100
JBS-25G/2A	2 Way Angle Shallow J-Box - 25mm - Grey	10	10	100



2-WAY 'U' TYPE SHALLOW JUNCTION BOXES

Code	Description	Packing	MOQ	Ctn
JBS-20G/2U	2 Way U Type Shallow J-Box - 20mm - Grey	10	10	100
JBS-25G/2U	2 Way U Type Shallow J-Box - 25mm - Grey	10	10	100



3-WAY SHALLOW JUNCTION BOXES

Code	Description	Packing	MOQ	Ctn
JBS-20G/3	3 Way Shallow J-Box - 20mm - Grey	10	10	100
JBS-25G/3	3 Way Shallow J-Box - 25mm - Grey	10	10	100



4-WAY SHALLOW JUNCTION BOXES

Code	Description	Packing	MOQ	Ctn
JBS-20G/4	4 Way Shallow J-Box - 20mm - Grey	10	10	100
JBS-25G/4	4 Way Shallow J-Box - 25mm - Grey	10	10	100



1-WAY DEEP JUNCTION BOXES

Code	Description	Packing	MOQ	Ctn
JBD-20G/1	1 Way Deep J-Box - 20mm - Grey	10	10	100
JBD-25G/1	1 Way Deep J-Box - 25mm - Grey	10	10	100



2-WAY DEEP JUNCTION BOXES

Code	Description	Packing	MOQ	Ctn
JBD-20G/2	2 Way Deep J-Box - 20mm - Grey	10	10	100
JBD-25G/2	2 Way Deep J-Box - 25mm - Grey	10	10	100



2-WAY ANGLE DEEP JUNCTION BOXES

Code	Description	Packing	MOQ	Ctn
JBD-20G/2A	2 Way Angle Deep J-Box - 20mm - Grey	10	10	100
JBD-25G/2A	2 Way Angle Deep J-Box - 25mm - Grey	10	10	100



3-WAY DEEP JUNCTION BOXES

Code	Description	Packing	MOQ	Ctn
JBD-20G/3	3 Way Deep J-Box - 20mm - Grey	10	10	100
JBD-25G/3	3 Way Deep J-Box - 25mm - Grey	10	10	100



4-WAY DEEP JUNCTION BOXES

Code	Description	Packing	MOQ	Ctn
JBD-20G/4	4 Way Deep J-Box - 20mm - Grey	10	10	100
JBD-25G/4	4 Way Deep J-Box - 25mm - Grey	10	10	100



HARDWARE

- 26 HOLESAWS - HEAVY DUTY
- 27 JACK CHAIN & METAL ENCLOSURES
- 28 PLASTER & MOUNTING BRACKETS
- 29 CATENARY WIRE
- 30 CATENARY WIRE ACCESSORIES
- 31 DIN RAIL & CABLE TIE GUNS
- 32 FIRE RATED WALL BOXES
- 33 JUNCTION BOXES

HOLESAWS - HEAVY DUTY

- Heavy Duty milled carbide cutter
- Complete with removable arbor
- Cutters and arbors are interchangeable with other brands
- Packaged in reusable plastic case
- Comprehensive Range



FTL-10101

FTL-10107

FTL-10109



Code	Description	Packing	MOQ	Ctn
FTL-10101	16mm Heavy Duty Holesaw	10	1	240
FTL-10102	18mm Heavy Duty Holesaw	10	1	240
FTL-10103	20mm Heavy Duty Holesaw	10	1	240
FTL-10105	22mm Heavy Duty Holesaw	10	1	240
FTL-10113	23mm Heavy Duty Holesaw	10	1	240
FTL-10106	25mm Heavy Duty Holesaw	10	1	240
FTL-10114	29mm Heavy Duty Holesaw	10	1	120
FTL-10107	32mm Heavy Duty Holesaw	10	1	120
FTL-10108	40mm Heavy Duty Holesaw	10	1	100
FTL-10109	50mm Heavy Duty Holesaw	10	1	50
FTL-10110	63mm Heavy Duty Holesaw	1	1	50
FTL-10111	75mm Heavy Duty Holesaw	1	1	50
FTL-10112	93mm Heavy Duty Holesaw	1	1	30

JACK CHAIN

- Galvanised Steel
- Packaged in heavy duty buckets for easy handling
- Single Link - 2.5mm Wire Thickness
- Weldless twisted links
- Load rating 5kg (Temporary)



Code	Description	Packing	MOQ	Ctn
FJC-25000	Single Link Bucket - 25m	1 Bucket	1	8

METAL ENCLOSURES

- IP66 Rated
- Manufactured from 1.5mm Mild Sheet Steel
- Surface Finish: Epoxy Polyester Powder Coating
- RAL 7035 Textured Finish
- Mounting Plate Included
- Cable Entry Plate with Gasket Included
- IK10 Impact Rating
- Stainless Steel available in select sizes

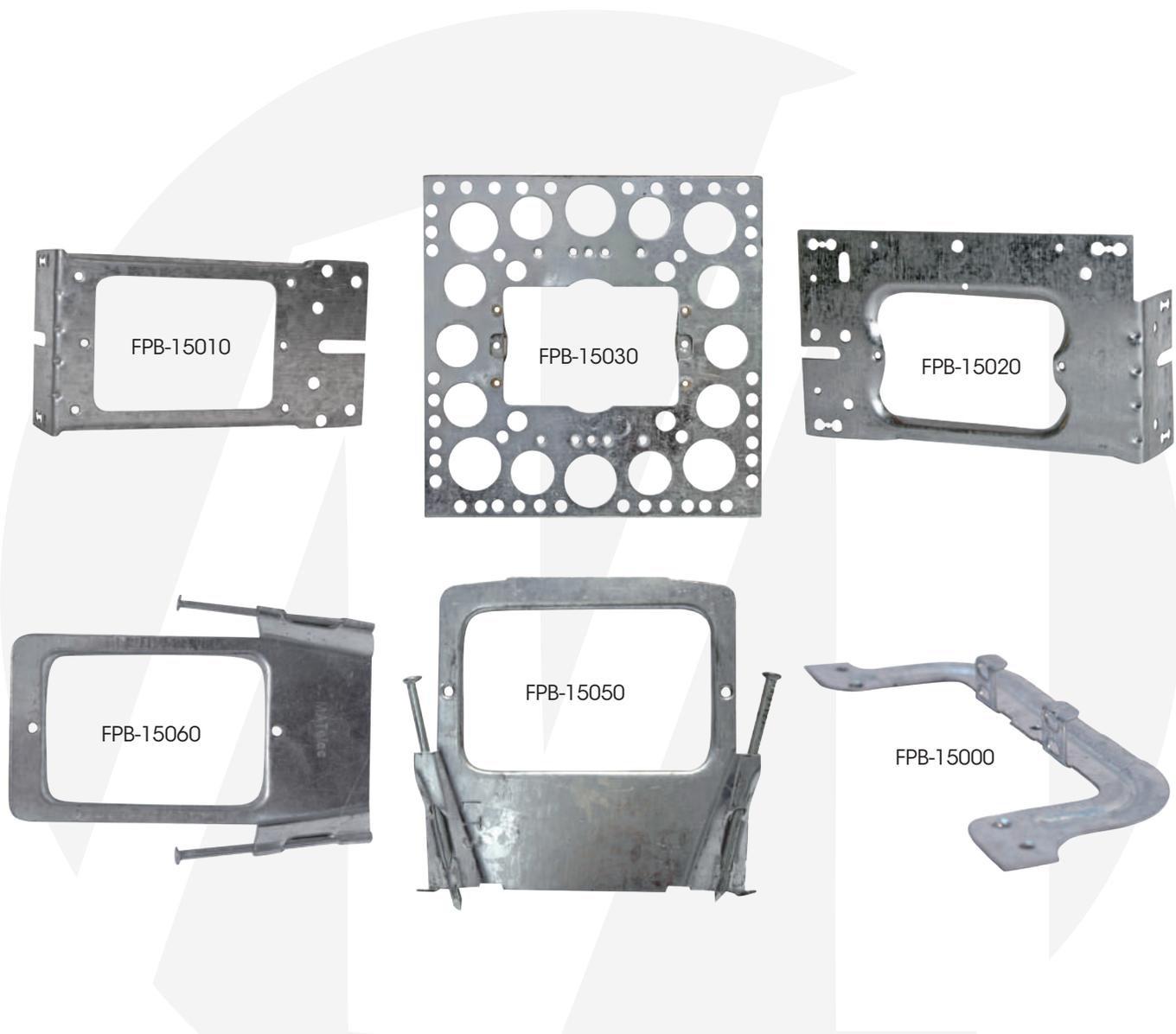


**OTHER SIZES
AVAILABLE ON
REQUEST**

Code	Description	Packing	MOQ	Ctn
FEB-30321	Metal Enclosure - c/w ND 300 x 200 x 150mm	1	1	1
FEB-30331	Metal Enclosure - c/w ND 300 x 300 x 150mm	1	1	1
FEB-40432	Metal Enclosure - c/w IDND 400 x 300 x 200mm	1	1	1
FEB-40442	Metal Enclosure - c/w IDND 400 x 400 x 200mm	1	1	1

PLASTER & MOUNTING BRACKETS

- All brackets are heavy duty construction
- All brackets are hot dipped galvanised
- Compatible with all leading brands of bakelite
- Riveted screw inserts - don't break loose with corrosion



Code	Description	Packing	MOQ	Ctn
FPB-15000	C Clip Mounting Bracket	25	25	500
FPB-15010	Right Angle Mounting Bracket (Standard)	20	20	200
FPB-15020	Right Angle Mounting Bracket (Large)	20	20	200
FPB-15030	Square - Render Mounting Bracket	100	100	100
FPB-15050	Stud Bracket - Vertical Pre-Nailed	20	20	200
FPB-15060	Stud Bracket - Horizontal Pre-Nailed (Light Point)	20	20	200

- New super robust poly reels
- Now supplied in a box for ease of storage and transportation
- Full range of accessories available
- Load Rating - 1.6KN
- Galvanised Wire
- Drum Hole Size: 40mm



**GALVANISED
WIRE**



Code	Description	Packing	MOQ	Ctn
FCW-12001	Catenary Wire 0.90 G 7 Strand - 180m Drum	1	1	150/pallet
FCW-12005	Catenary Wire 1.25 G 7 Strand - 100m Drum	1	1	150/pallet

THIMBLES

Code	Description	Packing	MOQ	Ctn
FCW-12008	Thimble - 6mm	10	10	500



TURNBUCKLES

Code	Description	Packing	MOQ	Ctn
FCW-12020	Turnbuckles - 6mm Hook & Eye	10	10	400
FCW-12021	Turnbuckles - 8mm Hook & Eye	5	5	200
FCW-12022	Turnbuckles - 10mm Hook & Eye	5	5	125



'D' SHACKLES

Code	Description	Packing	MOQ	Ctn
FCW-12026	D Shackles - 6mm	10	10	750



WIRE ROPE GRIPS

Code	Description	Packing	MOQ	Ctn
FCW-12014	Wire Rope Grips - 6mm	20	20	1200
FCW-12015	Wire Rope Grips - 8mm	10	10	600



EYE ANCHORS

Code	Description	Packing	MOQ	Ctn
ANC-M5/EYE	Eye Anchor - 5mm x 50mm	100	100	1800



DIN RAIL

- Steel rails are cold rolled, zinc coated and then yellow passivated
- For slotted rails - slots are 18mm x 6.3mm @ 25mm centres



Code	Description	Packing	MOQ	Ctn
DR-7.5X35S/1M	Steel - 7.5mm x 35mm - Slotted - 1M	20	20	60
FDR-10002	Steel - 7.5mm x 35mm - Slotted - 2M	20	20	60
FDR-10003	Steel - 15mm x 35mm - Slotted - 2M	20	20	60

CABLE TIE GUNS

- Robust & Heavy Duty Design
- Tensions & Cuts Cable Ties
- Adjustable Tension Feature
- Full range of compatible Cable Ties available
- FTL-20500 suits both 4.6mm and 7.9mm S/S Cable Ties



FTL-20200

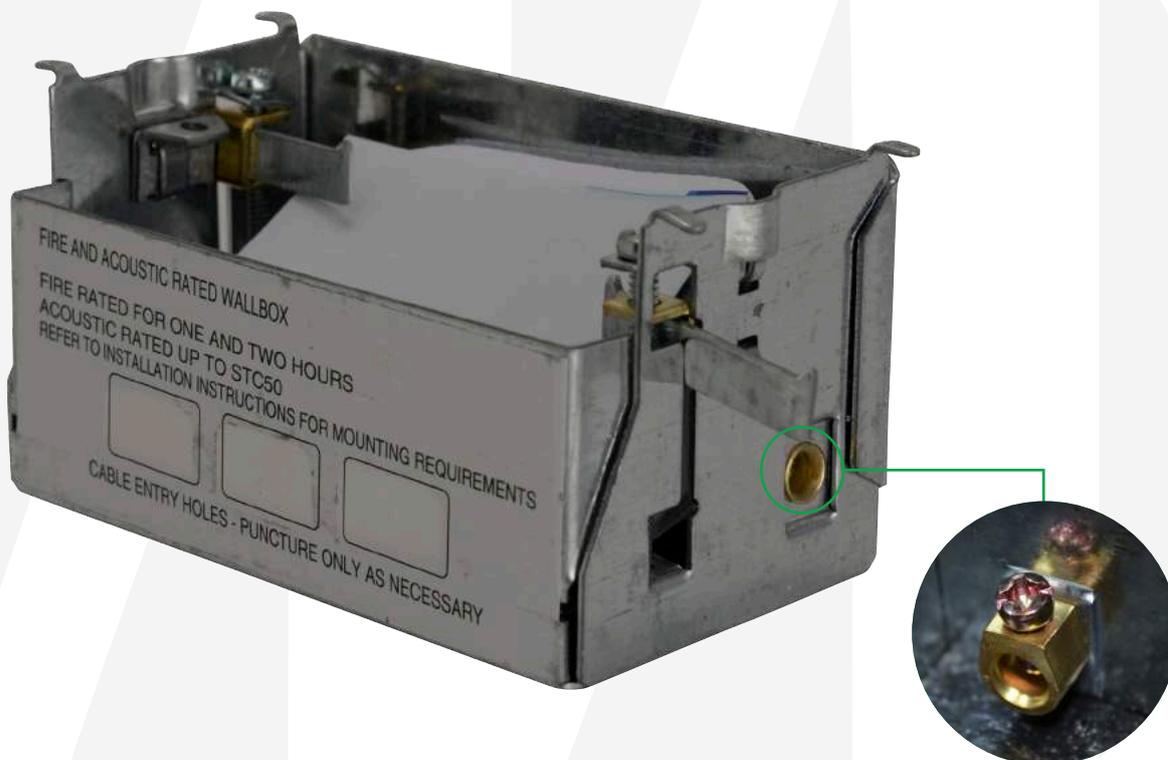


FTL-20500

Code	Description	Packing	MOQ	Ctn
FTL-20200	Nylon Cable Tie Gun	1	1	1
FTL-20500	Stainless Steel Cable Tie Gun	1	1	5

WALL BOXES - FIRE RATED

- Designed for mounting switches and outlets in walls that have a specified Fire Rating
- Fully compliant to Australian Standards AS1530.4-2015
- Exova Warringtonfire Aust Pty Ltd certificates available on request
- Tested to 1 and 2 hour Fire Rating in single and back to back installations
- Fire Rating FRL-/60/60 and -/120/120
- Comes with intumescent pads and acoustic seal
- Cable entry holes - 3 in top, 2 knockouts in back
- Complete with integral 'wall box earthing' and 'earth cabling termination' connector
- Installation must be carried out in accordance with manufacturer's installation instructions for mounting requirement
- Recommended Sealant: Promaseal Acrylic Intumescent Sealant



Code	Description	Packing	MOQ	Ctn
FWB-90000	Wall Box - Fire Rated	10	10	100

SPECIFICATIONS

Code	Height (mm)	Width (mm)	Depth (mm)
FWB-90000	52	95	50

ADAPTABLE JUNCTION BOXES

- Polycarbonate base and cover
- O-Ring IP65 Weatherproof Seal
- Stainless Steel Screws



Code	Description	Packing	MOQ	Ctn
FEB-10115	Junction Box - IP65 Polycarbonate - 80 x 80mm	1	1	100

DIMENSIONS

Code	Height (mm)	Width (mm)	Depth (mm)
FEB-10115	80	80	55

STANDARD + LARGE JUNCTION BOXES

- ABS material
- Excellent finish and fit
- Rated to 32A
- Includes 3 single + 1 double connectors



FJB-10000



FJB-20000

Code	Description	Packing	MOQ	Ctn
FJB-10000	Junction Box - Standard	10	10	100
FJB-20000	Junction Box - Large	10	10	100

DIMENSIONS

Code	Height (mm)	Width (mm)	Depth (mm)
FJB-10000	70	70	37
FJB-20000	100	70	45

SENSORS & KWH METERS

SMOKE DETECTORS

- 35 SMOKE DETECTOR - 240V
- 36 SMOKE DETECTOR - DC VERSION

MOTION SENSORS

- 37 COBRA IP65
- 38 180° ROUND
- 39 DUAL MOUNT
- 40 SURFACE MOUNT
- 41 FLUSH MOUNT - PREMIUM
- 42 FLUSH MOUNT - ECONO
- 43 FLUSH MOUNT - MINI
- 44 PRESENCE SENSOR - 360° MICROWAVE
- 45 PRESENCE SENSOR - 360° MICROWAVE
- 46 PRESENCE SENSOR - 360° MINI MICROWAVE
- 47 MOTION SENSOR COMPARISON

KWH METERS

- 48 SURFACE MOUNT - SINGLE PHASE
- 49 SURFACE MOUNT - THREE PHASE
- 50 DIN RAIL MOUNT - SINGLE PHASE
- 51 DIN RAIL MOUNT - THREE PHASE

- Separate hush/test button
- Interconnectable up to 20 units, including FSA-18000
- 9V battery included
- Hinged detachable base
- 'No Battery', 'No Close' feature
- Loop terminal provided
- Mounting holes line up with standard plaster brackets
- Base recessed for mains cabling - no need for large ceiling cut-away
- LED Indicators
- 'Low Battery' audible warning
- Alarm Volume over 85dB
- 5 Year Warranty
- Includes Ferrite Bead for additional EM filtering
- Dimensions: 135mm Ø x 54mm (H)
- Conforms to AS3786:2014



Code	Description	Packing	MOQ	Ctn
FSA-20000	Photoelectric Smoke Detector 240V AS3786:2014	5	1	50

SMOKE DETECTOR - PHOTOELECTRIC



DC VERSION - 10 YEAR LITHIUM BATTERY

- Wireless interconnect up to 40 units
- Simple pairing process
- Wireless distance up to 100m clear line of sight
- 3V DC Non-replaceable 10 yr lithium battery
- No hard wiring - very simple installation
- Large, easy to use Test/Hush button
- Easy to mount twist-on base design
- Vermin resistant
- 5 Year Warranty
- Dimensions: 114mm Ø x 40mm (H)
- Conforms to AS3786:2014

100%
WIRELESS



Code	Description	Packing	MOQ	Ctn
FSA-30000	Photoelectric Smoke Alarm DC w/10 yr lithium battery	1	1	40

- Wall/Ceiling Mount
- Weatherproof Rating: IP65, Exterior
- Detection Angle: 180°
- Detection Range: Up to 12 metres
- Switching Capacity: 1200W (Incandescent), 300W (Fluorescent), 300W (LED)
- Min. LED load: 1W
- Manual Override: Yes
- Time Delay: 10sec - 15mins
- Lux Adjustment: Dusk to Dawn (3-2000lux)
- Fixings supplied
- Voltage: 220 - 240 V AC
- Colour: White
- Sensing Adjustment: Vertical and Horizontal
- Detection Speed: 0.6 - 1.5 m/s
- Power Frequency: 50Hz
- Power Consumption: 0.5W
- Warranty: 5 Years
- Operating Temperature: -20 to 40 °C



Code	Description	Packing	MOQ	Ctn
FMS-10000	Cobra IP65 Outdoor Motion Sensor - White	1	1	50

MOTION SENSOR - 180° ROUND



- Wall/Ceiling Mount
- Weatherproof Rating: IP44, Exterior
- Detection Angle: 180°
- Detection Range: Up to 12 metres
- Switching Capacity: 1200W (Incandescent), 300W (Fluorescent), 300W (LED)
- Min. LED load: 1W
- Manual Override: Yes
- Time Delay: 10sec - 7mins
- Lux Adjustment: Dusk to Dawn (3-2000lux)
- Fixings supplied
- Voltage: 220 - 240 V AC - 50Hz
- Colours: White and Black
- Warranty: 1 Year
- Sensing Adjustment: Vertical



Code	Description	Packing	MOQ	Ctn
FMS-12050	180° Round Motion Sensor - Black	1	1	50
FMS-12051	180° Round Motion Sensor - White	1	1	50



- Flush/Recess and Surface/Ceiling Mount - All in one
- Weatherproof Rating: IP44 Surface Mounted, IP20 Recess Mounted
- Detection Angle: 360°
- Detection Range: Up to 22 metres
- Switching Capacity: 2000W (Incandescent), 600W (Fluorescent), 200W (LED)
- Min. LED load: 1W
- Manual Override: No
- Time Delay: 10sec - 40mins
- Lux Adjustment: Dusk to Dawn (2-2000lux)
- Stainless Steel Fixings Supplied
- Voltage: 220 - 240 V AC - 50Hz
- Colours: White
- Warranty: 3 Year
- Dimensions: 105mm Ø x 55mm (H)
- Cut-Out Hole: 80mm
- Triple PIR for maximum detection
- Occupancy Feature: High and Low Sensing Zones
- Setting Controls under front cover - Easy Access
- Enlarged Cable Entry



Code	Description	Packing	MOQ	Ctn
FMS-12080	360° PIR Dual Mount Ceiling Sensor	1	1	50

MOTION SENSOR - SURFACE MOUNT



- Surface, Ceiling Mount
- Weatherproof Rating: IP44, Interior
- Detection Angle: 360°
- Detection Range: Up to 12 metres
- Switching Capacity: 1200W (Incandescent), 300W (Fluorescent), 300W (LED)
- Min. LED load: 1W
- Manual Override: No
- Time Delay: 10sec - 7mins
- Lux Adjustment: Dusk to Dawn (3-2000lux)
- Fixings Supplied
- Voltage: 220 - 240 V AC - 50Hz
- Colours: White
- Warranty: 1 Year
- Dimensions: 88mm Ø x 55mm (H)
- Setting Controls under front cover - Easy Access



<p>IP44 WEATHERPROOF RATING</p>	<p>1 YEAR WARRANTY</p>	<p>DETECTION RANGE 12M</p>	<p>360° DETECTION</p>	<p>CEILING MOUNT</p>	<p>SWITCHING CAPACITY</p> <p>1200W INCANDESCENT 300W FLUORESCENT 300W LED</p>
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Code	Description	Packing	MOQ	Ctn
FMS-12055	Surface Mount 360° Ceiling Sensor	1	1	50



PREMIUM

- Flush/Recess, Ceiling Mount
- Weatherproof Rating: IP44, Interior
- Detection Angle: 360°
- Detection Range: Up to 6 metres
- Switching Capacity: 2000W (Incandescent), 500W (Fluorescent), 300W (LED)
- Min. LED load: 1W
- Manual Override: No
- Time Delay: 5sec - 15mins
- Lux Adjustment: Dusk to Dawn (2-2000lux)
- Stainless Steel Fixings Supplied
- Voltage: 220 - 240 V AC - 50Hz
- Colours: White
- Warranty: 3 Year
- Dimensions: 90mm Ø x 21mm (H)
- Cut-Out Hole: 70mm Ø
- Aesthetically Pleasing Finish
- Enlarged Cable Entry - Easy Wiring



Code	Description	Packing	MOQ	Ctn
FMS-12064	Flush Mount 360° Ceiling Sensor	1	1	6

MOTION SENSOR - FLUSH MOUNT



ECONO

- Flush/Recess, Ceiling Mount
- Weatherproof Rating: IP44, Interior
- Detection Angle: 360°
- Detection Range: Up to 6 metres
- Switching Capacity: 1200W (Incandescent), 300W (Fluorescent), 300W (LED)
- Min. LED load: 1W
- Manual Override: No
- Time Delay: 10sec - 7mins
- Lux Adjustment: Dusk to Dawn (3-2000lux)
- Fixings Supplied
- Voltage: 220 - 240 V AC - 50Hz
- Colours: White
- Warranty: 1 Year
- Dimensions: 75mm Ø x 55mm (H)
- Cut-Out Hole: 62mm Ø
- Discreet Unobtrusive Design
- User-friendly and easily accessible adjustment settings



Code	Description	Packing	MOQ	Ctn
FMS-12064-A	Econo Flush Mount 360° Ceiling Sensor	1	1	50

- Flush/Recess, Ceiling Mount
- Weatherproof Rating: IP20, Interior
- Detection Angle: 360°
- Detection Range: Up to 6 metres
- Switching Capacity: 1200W (Incandescent), 300W (Fluorescent), 300W (LED)
- Min. LED load: 1W
- Manual Override: Yes
- Time Delay: 10sec - 7mins
- Lux Adjustment: Dusk to Dawn (2-2000lux)
- Stainless Steel Fixings Supplied
- Voltage: 220 - 240 V AC - 50Hz
- Colours: White / Black (both cover plates included)
- Warranty: 3 Year
- Dimensions: 50mm Ø x 67mm (H)
- Cut-Out Hole: 42mm Ø
- Aesthetically Pleasing Finish
- Enlarged Cable Entry - Easy Wiring

**BLACK &
WHITE TRIM
ALL IN ONE**



Actual Size



Code	Description	Packing	MOQ	Ctn
FMS-12075	Flush Mount 360° Ceiling Sensor Mini, Black + White	1	1	50

PRESENCE SENSOR - 360° MICROWAVE



- Flush/Recess, Ceiling Mount
- Weatherproof Rating: IP20
- Detection Angle: 360°
- Detection Range: Up to 8 metres
- Switching Capacity: 1200W (Incandescent), 300W (Fluorescent), 300W (LED)
- Min. LED load: 1W
- Manual Override: No
- Time Delay: 10sec - 12mins
- Lux Adjustment: Dusk to Dawn (3-2000lux)
- Fixings Supplied
- Voltage: 220 - 240 V AC - 50Hz
- Colours: White
- Warranty: 5 Year
- Dimensions: 75mm Ø x 55mm (H)
- Cut-Out Hole: 62mm Ø
- Discreet Unobtrusive Design
- 3 adjustment settings: Time Delay / Lux / Sensitivity



Code	Description	Packing	MOQ	Ctn
FMS-12064-M	Microwave Flush Mount 360° Ceiling Sensor	1	1	50



- Surface, Ceiling Mount
- Weatherproof Rating: IP20, Interior
- Detection Angle: 360° Downward, 160° Forward
- Detection Range: Up to 20 metres
- Switching Capacity: 1200W 5A (Incandescent), 300W 2.5A (Fluorescent), 300W (LED)
- Min. LED load: 1W
- Manual Override: No
- Time Delay: 8sec - 12mins
- Lux Adjustment: Dusk to Dawn (2-2000lux)
- Stainless Steel Fixings Supplied
- Voltage: 220 - 240 V AC - 50Hz
- Colours: White
- Warranty: 3 Years
- Dimensions: 96mm Ø x 42mm (H)
- Optimised presense detection, perfect for open plan offices
- Can detect movement through most glass, thin walls and some doors
- High sensitivity to movement
- Occupancy Feature: High and Low Sensing Zones
- Uninterrupted coverage up to 314m²
- Setting Controls under front cover - Easy Access



<p>IP20 WEATHERPROOF RATING</p>	<p>3 YEAR WARRANTY</p>	<p>20M DETECTION RANGE</p>	<p>WALL & CEILING MOUNT</p>	<p>SWITCHING CAPACITY</p> <p>1200W INCANDESCENT 300W FLUORESCENT 300W LED</p>
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Code	Description	Packing	MOQ	Ctn
FMS-13500	360° Microwave Sensor	1	1	50

PRESENCE SENSOR - 360° MINI MICROWAVE



- Detection Angle: 360°
- Detection Range: Up to 8m Max
- Switching Capacity: 1200W (Incandescent), 300W (Fluorescent), 300W (LED)
- Min. LED load: 1W
- Time Delay: 10sec - 12mins
- Lux Adjustment: Dusk to Dawn (3-2000lux)
- Voltage: 220 - 240 V AC - 50Hz
- Colours: White
- Warranty: 2 Years
- Dimensions: 67mm (L) x 39mm (W) x 37mm (H)
- Ideal for placement inside lighting fittings and fixtures

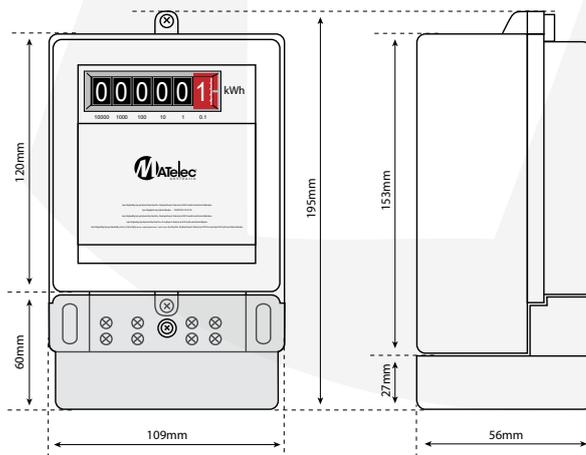


Code	Description	Packing	MOQ	Ctn
FMS-13600	360° Microwave Sensor	1	1	50

Code	FMS-10000	FMS-12050 FMS-12051	FMS-12055	FMS-12064	FMS-12064-A	FMS-12064-M	FMS-12075	FMS-12080	FMS-13500	FMS-13600
Image										
Type	3 WIRE PIR	3 WIRE Microwave	3 WIRE PIR	3 WIRE PIR	3 WIRE Microwave	3 WIRE Microwave				
Mounting	Wall/Ceiling	Wall/Ceiling	Surface/ Ceiling	Flush/ Ceiling	Flush/ Ceiling	Flush/ Ceiling	Flush/ Ceiling	Flush or Surface Ceiling	Surface/ Ceiling	Internal
IP Rating	IP65	IP44	IP44	IP44	IP44	IP20	IP20	IP20 (Flush) IP44 (Surface)	IP20	IP20
Detection Angle	180°	180°	360°	360°	360°	360°	360°	360°	360°	360°
Detection Range	Up to 12m	Up to 12m	Up to 12m	Up to 6m	Up to 6m	Up to 8m	Up to 6m	Up to 22m	Up to 20m	Up to 8m
Switching Capacity	1200W Incandescent 300W Fluro 300W LED	1200W Incandescent 300W Fluro 300W LED	1200W Incandescent 300W Fluro 300W LED	2000W Incandescent 500W Fluro 300W LED	1200W Incandescent 300W Fluro 300W LED	1200W Incandescent 300W Fluro	1200W Incandescent 300W Fluro 300W LED	2000W Incandescent 600W Fluro 200W LED	1200W Incandescent 300W Fluro	1200W Incandescent 300W Fluro 300W LED
Min LED Load	1W	1W	1W	1W						
Manual Override	Yes	Yes	No	No	No	No	Yes	No	No	No
Time Delay	10 sec - 15 min	10 sec - 7 min	10 sec - 7 min	5 sec - 15 min	10 sec - 7 min	10 sec - 12 min	10 sec - 7 min	10 sec - 40 min	8 sec - 12 min	10 sec - 12 min
Adjustment Controls	Time Lux	Time Lux	Time Lux	Time Lux	Time Lux	Time Lux Sensitivity	Time Lux	Time Lux Sensitivity	Time Lux Sensitivity	Time Lux Sensitivity
Voltage	220-240V	220-240V	220-240V	220-240V						
Colour	White	Black/White	White	White	White	White	Black/White	White	White	White
Cutout if applicable	N/A	N/A	N/A	70mm	62mm	62mm	42mm	80mm	N/A	N/A
Dimensions	N/A	N/A	88mm Ø 55mm (H)	90mm Ø 68mm (H) 21mm Pro.	75mm Ø 55mm (H) 19mm Pro.	75mm Ø 55mm (H) 19mm Pro.	50mm Ø 67mm (H) 16mm Pro.	150mm Ø 55mm (H) 37mm Pro.	96mm Ø 42mm (H)	67mm (L) 39mm (W) 37mm (H)

SINGLE PHASE

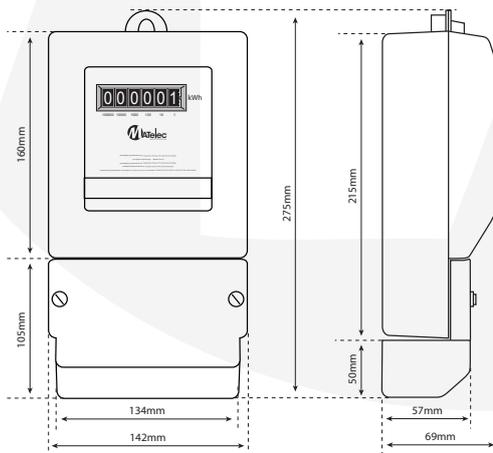
- Class 1 Classification
- For single phase direct metering
- Operating range: 0-100amp
- Accuracy: > 99%
- Maximum Cable Capacity: 25mm²
- Heavy Duty design
- NMI Approved Version available on request



Code	Description	Packing	MOQ	Ctn
FKW-14110	Surface Mount Direct Electronic 0-100A - Single Phase	1	1	20

THREE PHASE

- Class 1 Classification
- For three phase direct metering
- Polyphase - suitable for 1, 2 and 3 phase metering
- Operating range: 0-100amp
- 4 wire
- Suitable for industrial properties and industrial equipment metering (non-charged metering)
- Rating: 100amp
- Accuracy: > 99%
- Maximum Cable Capacity: 25mm²
- NMI Approved Version available on request



Code	Description	Packing	MOQ	Ctn
FKW-14120	Surface Mount Direct Electronic 0-100A - Three Phase	1	1	5

SINGLE PHASE

- Accuracy Class: 1
- Insulation Class: 2
- Maximum Rated Current: 100A
- Nominal Voltage: 230Vac
- Operational Current Range: 0.25A - 100A
- Over Current Withstand: 1000A for 0.1s
- Operational Frequency Range: 50-60Hz
- Test Output Flash Rate: 1000 impulses per kWh
- Power Supply Indicator: Mains power ON
- Consumption Indicator: Flashing on load
- Display: Backlit Blue LCD
- Maximum Cable Capacity: 1 Phase: 25mm² (neutral 2.5mm²)
- Operating Temperature: -20°C to 65°C
- Warranty: 1 Year
- Battery Backup: 3.6V Lithium
- Housing Material: Fire Resistant ABS
- Weatherproof Rating: IP51
- Tamper Seal Kit supplied



Report/Certification Number	Date Issued
UL, LLC test report reference no. R11456868-NMI (NMI M6-1)	27 - 07 - 2017
NMI M6 Clause A.2.16 Short Term Overcurrent Test C, Ref PL1545-R1	19 - 04 - 2017
National Measurement Institute CoA NMI 14/2/100	04 - 10 - 2017
IEC Test Report IEC62053-21:2003, IEC 62053-11:2003, SICEM Ref WJ14297 (IEC 62053-21:2003 and IEC 62052-11:2003)	12 - 12 - 2014

* Please note this product is not suitable for solar applications

DIMENSIONS:
90mm (H) x 18mm (W) x 72mm (D) 1 Module
New Slimline Design



Code	Description	Packing	MOQ	Ctn
FKW-15110/NMI	Din Mount Direct Electronic 0-100A - 1PH NMI Approved	1	1	30

THREE PHASE

- Accuracy Class: 1
- Maximum Rated Current: 100A
- Nominal Voltage: 230/400Vac (3~)
- Operational Current Range: 0.25A - 100A
- Over Current Withstand: 1000A for 0.1s
- Operational Frequency Range: 50-60Hz
- Test Output Flash Rate: 1000 impulses per kWh
- Power Supply Indicator: Mains power ON
- Consumption Indicator: Flashing on load
- Display: Backlit Blue LCD
- Maximum Cable Capacity: 1 Phase: 25mm² (neutral 4mm²)
- Operating Temperature: -20°C to 55°C
- International Standard: IEC62052-11, IEC62053-21
- Warranty: 1 Year
- Battery Backup: 3.6V Lithium
- Housing Material: Fire Resistant ABS
- Weatherproof Rating: IP51
- Tamper Proof: Kit Available
- Poly Phase: Suitable for 1, 2 and 3 phase metering
- NMI Approved Version Available on request

DIMENSIONS:

100mm (H) x 122mm (W) x 65mm (D) 7 Module



Code	Description	Packing	MOQ	Ctn
FKW-15120	Din Mount Direct Electronic 0-100A - Three Phase	1	1	5

LIGHTING

LED WEATHERPROOF FITTINGS

- 53 IP66 - PREMIUM INDUSTRIAL GRADE
- 54 IP66 - EMERGENCY / SENSOR OPTION
- 55 IP65 - CAPRICORN
- 56 **BULKHEAD** - BABY EMPEROR & ECONO
- 57 LED SLIMLINE FLOODLIGHTS
- 58 LAMP HOLDERS & 3 PIN PLUG + LEAD

PREMIUM INDUSTRIAL GRADE

- IP66 Weatherproof Rating
- IK08 Vandal Resistance
- Polycarbonate lens and base - UV stabilised (fireproof PC 850°C VI)
- Stainless Steel clips - 304 Grade (316 Grade available as option)
- All fixings and brackets supplied
- 5700k - Daylight Colour
- Operating Temperature: -35°C to 60°C
- OSRAM LED driver
- High output LED chip
- Quick connect wiring connector
- Lumen/Watt 130lm/w
- Power Factor: 0.98
- SAA Approved
- 10 year warranty
- Ideal for outdoors and washdown bays
- Also Available as a maintained / emergency backup option, & sensor option
- 50,000 hours working life



Code	Description	Packing	MOQ	Ctn
FLU-06020	Oxford IP66 LED Batten 20W	1	1	9
FLU-12036	Oxford IP66 LED Batten 36W	1	1	6
FLU-OXCLIP/36	Oxford 316 Grade Stainless Clip (pk12)	1	1	1

SPECIFICATIONS

Code	Length (mm)	Height (mm)	Width (mm)	Lumens
FLU-06020	650	90	69	2600
FLU-12036	1240	108	87	4680

EMERGENCY/SENSOR OPTION

**MICROWAVE
SENSOR
OPTION**

**EMERGENCY
BACKUP
OPTION**

- IP66 Weatherproof Rating
- IK08 Vandal Resistance
- Polycarbonate lens and base - UV stabilised (fireproof PC 850°C VI)
- Stainless Steel clips - 304 Grade (316 Grade available as option)
- All fixings and brackets supplied
- 5700k - Daylight Colour
- Operating Temperature: -35°C to 60°C
- OSRAM LED driver
- High output LED chip
- Quick connect wiring connector
- Lumen/Watt 130lm/w
- Power Factor: 0.98

- SAA Approved
- 5 year warranty
- Battery charge time: 24 hours
- Discharge time: 3 hours
- 50,000 hours working life

MICROWAVE SENSOR

- Sensing Range: 100%, 75%, 30%, 25%
- Time Delay: 5sec/30sec/90sec/3min/20min/30min
- Daylight Sensor: Disable/50lux/30lux/10lux/2lux
- Mounting Height: 3-6m
- Detection Distance: 5m Max
- Inductive/lighting load: 200W max



Emergency Kit



Code	Description	Packing	MOQ	Ctn
FLU-06020-S	Oxford IP66 LED Batten 20W - with sensor	1	1	9
FLU-12036-EB	Oxford IP66 LED Batten 36W - Emergency Version	1	1	6
FLU-12036-S	Oxford IP66 LED Batten 36W - with sensor	1	1	6
FLU-OXCLIP/36	Oxford Grade 316 Stainless Clip (pk12)	1	1	1

SPECIFICATIONS

Code	Length (mm)	Height (mm)	Width (mm)	Lumens
FLU-06020-S	650	90	69	2600
FLU-12036-EB	1240	108	87	4680
FLU-12036-S	1240	108	87	4680

- IP65 Weatherproof Rating
- IK08 Vandal Resistance
- UV stabilised Polycarbonate lens and base
- No lens clips required
- 304 Stainless steel mounting brackets supplied
- 6500k - Daylight Colour
- Operating Temperature: -20°C to 40°C
- LED driver
- LED Chip SMD 2835
- Lumen / Watt: 83lm/w (36w)
- Power Factor: 0.9
- Quick wiring access point
- SAA Approved
- 3 year warranty
- Sleek Slimline Design

**DOMESTIC /
TEMPORARY
LIGHTING**



Code	Description	Packing	MOQ	Ctn
CAP-18WCW	600mm LED Batten 18W IP65	1	1	12
CAP-36WCW	1200mm LED Batten 36W IP65	1	1	8

SPECIFICATIONS

Code	Length (mm)	Height (mm)	Width (mm)	Lumens
CAP-18WCW	600	86	66	1500
CAP-36WCW	1180	86	66	3000

BULKHEAD - BABY EMPEROR

- IP65 UV Stabilised
- Vandal resistant polycarbonate construction
- Stainless Steel Fasteners
- Slimline Design
- Aluminium Reflector
- Installation Fixings included
- Opal Lens
- Dimensions: 260.7mm Ø x 70mm (H)
- Lamp Type: ES
- Base Colour: White
- Trim Colour: White
- Warranty: 2 Years



Code	Description	Packing	MOQ	Ctn
FLU-27286	Slimline Round Bulkhead - Opal Lens	1	1	10

BULKHEAD - ECONO & LED ECONO

- Durable polycarbonate economy fitting
- Rated at 5W (LED) 60W (Incandescent)
- Ideal for temporary lighting applications
- Lamp holder - Nylon B.C. (B22) (Incandescent)
- IP30 Weatherproof Rating
- Dimensions: 205 (L) x 104 (W) x 102 (H)
- 1 Year Warranty
- Lumen output 500lm (LED) 300lm (Incandescent)



FLU-27185



FLU-27181

Code	Description	Packing	MOQ	Ctn
FLU-27181	B.C. 60W Rectangular Bulkhead	1	1	20
FLU-27185	LED 5W Rectangular Bulkhead	1	1	20

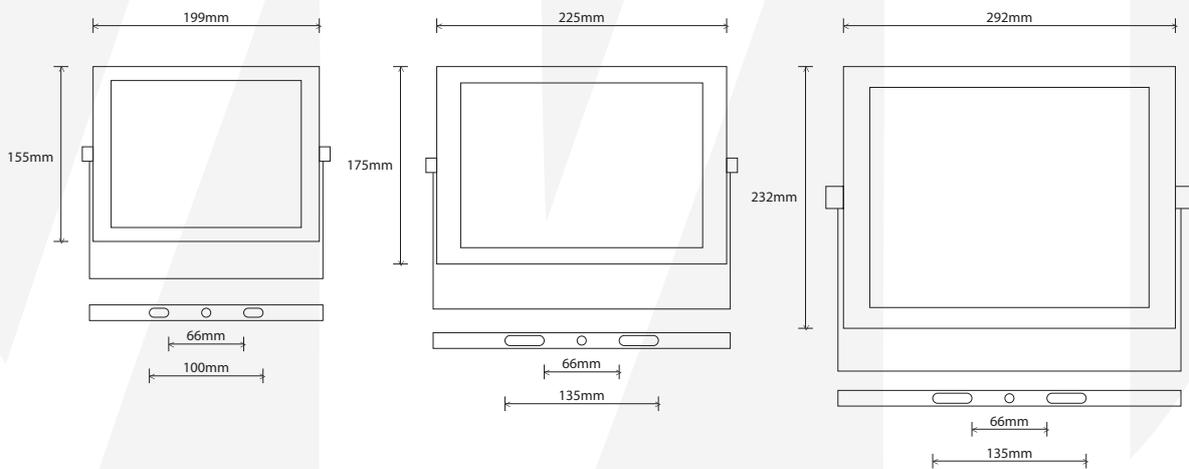
- IP65 Weatherproof Rating
- Operating Temperature: -20 °C to 55°C
- 5800K - Daylight Colour
- Driverless LED
- Ultra Bright LED Light Source
- Ultra Slim and Compact Design
- SAA Approved / RoHS Compliant
- 2 Year Warranty
- Wide 120° Beam Angle
- Operating Voltage: 85 - 265Vac
- Ideal for residential and commercial applications
- Includes 1.5m cord and plug



FL-30W-5800K

FL-50W-5800K

FL-100W-5800K



Code	Description	Lumens	Packing	MOQ	Ctn
FL-30W-5800K	Slimline LED Flood Light 30 Watt	2850	1	1	20
FL-50W-5800K	Slimline LED Flood Light 50 Watt	4750	1	1	18
FL-100W-5800K	Slimline LED Flood Light 100 Watt	9500	1	1	10

LAMP HOLDERS

- ES (E27) Variety
- High Heat Resistance
- Porcelain Ceramic
- DMC Compound



Code	Description	Packing	MOQ	Ctn
FLH-11211	Porcelain E.S. Non Skirted	40	1	400

3 PIN PLUG + LEAD

- 175cm Lead
- AU Approved Plug
- 10Amp Rated



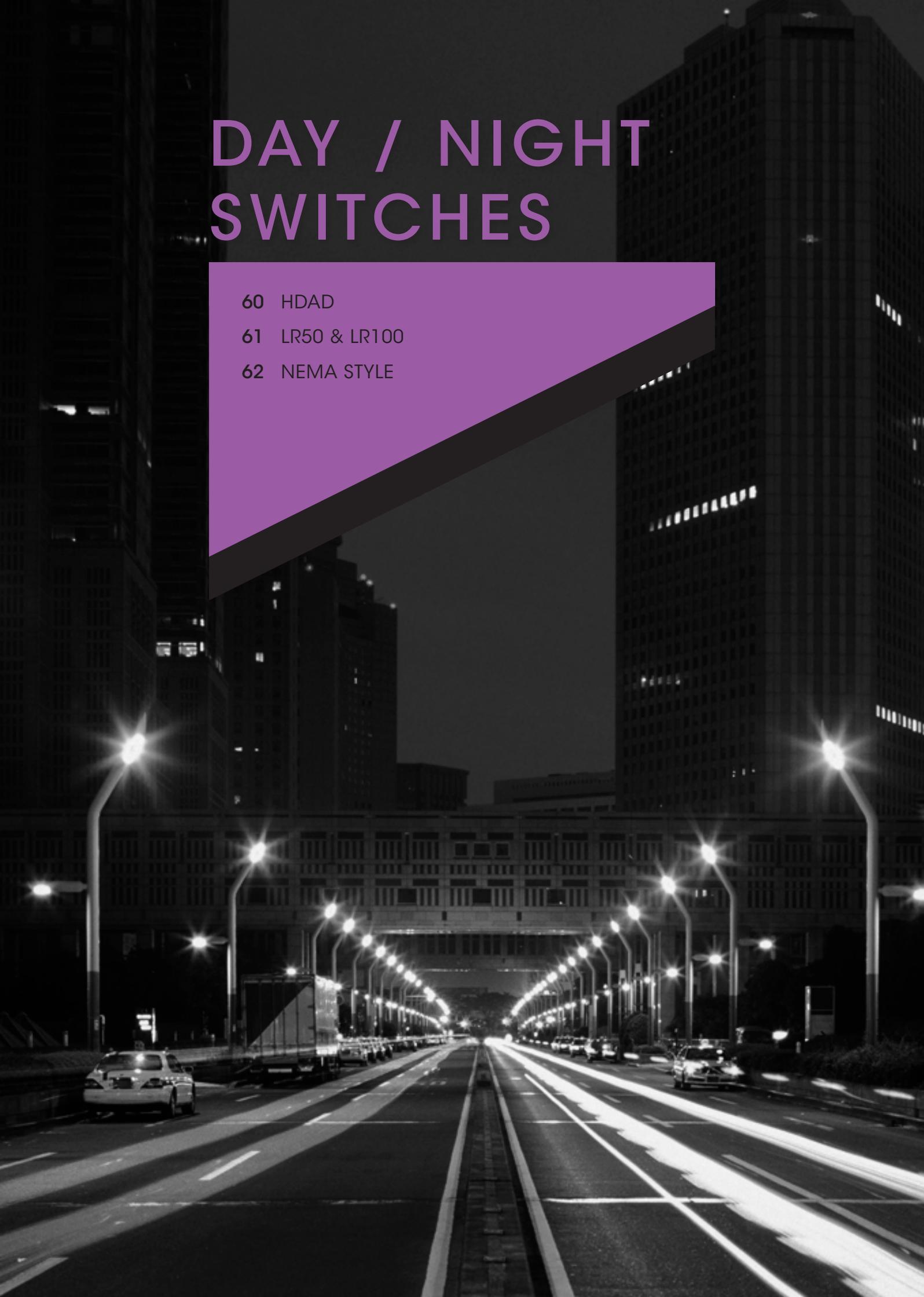
Code	Description	Packing	MOQ	Ctn
FFP-15000	3 Pin Plug - 3 Core 10Amp 175cm Lead	10	10	100

DAY / NIGHT SWITCHES

60 HDAD

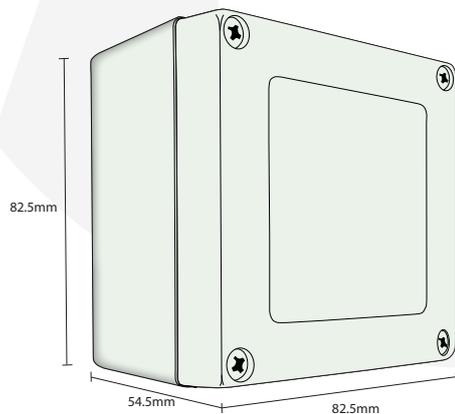
61 LR50 & LR100

62 NEMA STYLE



DAY / NIGHT SWITCH - HDAD

- 15amp Switch Rating
- IP65 Weatherproof Rating
- Voltage Rating: 220 - 250v
- Rated Current: Resistive - 15amps
Inductive - 3600VA
- Frequency: 50 / 60 Hz
- Switching cycles on resistive load: > 200 000
- Adjustable Switching LUX Level: 20 - 200Lux
- Adjustable 'On' Time
- Volt Drop after 1000c at 1800VA load: < 100mV
- 1 Year Warranty
- UV Stable Acrylic Lens
- Unique N/C 'Fail On' circuitry
- Minimum Load: 100mA



Code	Description	Packing	MOQ	Ctn
FSW-12220	HDAD 20amp Square Programmable	5	1	30

AR 20N

- IP56 Weatherproof Rating
- Voltage Rating: 200 - 250v
- Frequency: 50 / 60 Hz
- Switching cycles on resistive load: > 200 000
- Light intensity for switch ON: 60 Lux
- Light intensity for switch OFF: 90 Lux
- Volt Drop after 1000c at 1800VA load: < 100mV
- 1 Year Warranty
- UV Stable Acrylic Lens
- Unique N/C 'Fail On' circuitry
- 15amp Switch Rating
- Rated Current: Resistive - 15amps
Inductive - 7 amps

NEMA BASE

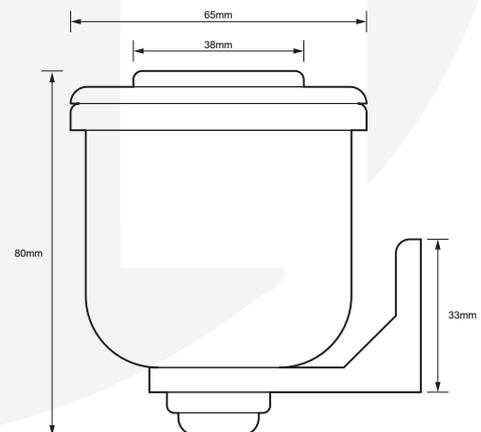
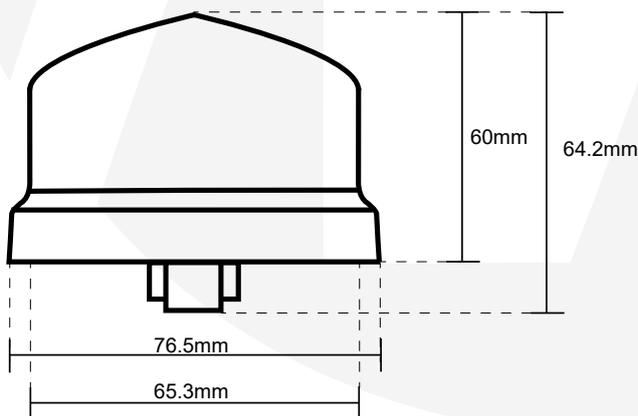
- Manufactured from Nylon 6
- Complete with Gasket, Lock Nut and Bracket
- Weather Cap Included
- Wall / Ceiling Mounting Bracket Included
- Ideal for use with MATElec AR10 / AR20 units
- 1 Year Warranty



FSW-12213



FSW-12209



Code	Description	Packing	MOQ	Ctn
FSW-12213	AR 20N 15amp Nema	1	1	24
FSW-12209	Nema Socket Base	1	1	40

DAY / NIGHT SWITCH - LR50 & LR100

- IP54 Weatherproof Rating
- Voltage Rating: 200 - 250v
- Frequency: 50 Hz
- Switching cycles on resistive load: > 200 000
- Light intensity for switch ON: 60 Lux
- Light intensity for switch OFF: 90 Lux
- Volt Drop after 1000c at 1800VA load: < 100mV
- 1 Year Warranty
- UV Stable Acrylic Lens
- Unique N/C 'Fail On' circuitry
- Compact and discreet

LR50

- 10amp Switch Rating
- Rated Current: Resistive - 10amps
Inductive - 4amps

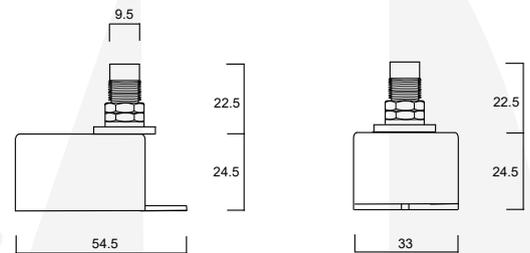
LR100

- 15amp Switch Rating
- Rated Current: Resistive - 15amps
Inductive - 7amps
- Cut out hole: 20mm



FSW-12207

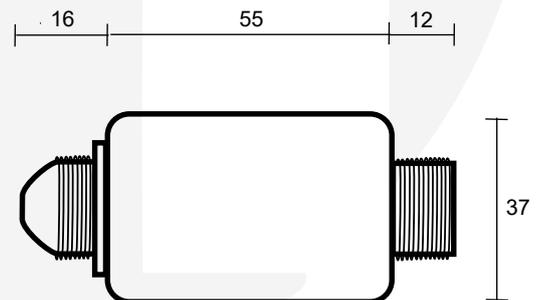
FSW-12207-L



FSW-12207 & FSW-12207-L



FSW-12218



FSW-12218

Code	Description	Packing	MOQ	Ctn
FSW-12207	LR 50 (10mm Male Entry)	1	1	10
FSW-12207-L	LR 50 c/w Sensor Extension	1	1	10
FSW-12218	LR 100 (20mm Male Entry)	1	1	50

WARNING EQUIPMENT

- 1 SIRENS / ALARMS / BELLS
- 2 STROBES / FLASHING LIGHTS



- IP Rating: Bells - IP44, Screamer, Buzzer - IP20
- Compact and robust
- UV protected



Code	Description	Packing	MOQ	Ctn
FAL-10018	12V Indoor Screamer	1	1	100
COM-30098	Buzzer - 12/24Vdc Panel / Ring Lock mount	1	1	200
COM-14010	Bell - Red Electronic	1	1	1
COM-14011	Bell - Large Red Electronic	1	1	1

SPECIFICATIONS

Code	Height (mm)	Width (mm)	Depth (mm)	Mounting Hole Centres (mm)	Decibels	IP Rating
FAL-10018	40	85	85	70	108dB	IP20
COM-30098	30	40	40	Flush Mount	80dB	IP20
COM-14010	45	150	150	12.2	85dB	IP44
COM-14011	55	200	200	12.2	85dB	IP44

- Compact and robust
- UV protected
- Xenon lamp - highly effective
- LED Technology - FAL-10012
- Strobe Guard Suits strobes up to 110mm Ø x 85mm (H)



FAL-10012-A



FAL-10013



FAL-10011
FAL-10012-B



FAL-10012-R
FAL-10013



FAL-10048



FAL-10001



FAL-10009

Code	Description	Packing	MOQ	Ctn
FAL-10011	Mini Strobe 12Vdc Circular - Blue	1	1	100
FAL-10012-A	Mini Strobe 24V/12V ac/dc Circular - Amber	1	1	100
FAL-10012-B	Mini Strobe 24V/12V ac/dc Circular - Blue	1	1	100
FAL-10012-G	Mini Strobe 24V/12V ac/dc Circular - Green	1	1	100
FAL-10012-R	Mini Strobe 24V/12V ac/dc Circular - Red	1	1	100
FAL-10013	Mini Strobe 240Vac Circular - Red	1	1	100
FAL-10009	Mini Strobe 12Vdc Rectangular - Red	1	1	200
FAL-10014	Mini Strobe 24Vdc Rectangular - Red	1	1	200
FAL-10001	Micro Strobe Circular 12/24Vdc - Red	1	1	50
FAL-10048	Strobe Guard - Powder Coated	1	1	50

DIMENSIONS (mm)

	Mini Strobe Round	FAL-10012-R	Mini Strobe Rectangular	Micro Strobe
Height (mm)	46	46	42	25
Diameter / Length (mm)	74	71	112	50
Depth (mm)	N/A	N/A	35	N/A
Mounting Hole Centres (mm)	45	44	95	26
IP Rating	IP54	IP54	IP54	IP54

LIQUID LEVEL CONTROL

FLOAT SWITCHES

- 67 9004 SERIES
- 68 9006 SERIES
- 69 9010 SERIES
- 70 9011 HIGH HEAT
- 71 316SS MAGNETIC
- 72 **MULTI LEVEL FLOAT TREE - 3 & 4 FLOAT**
- 73 CABLE CONNECTORS - IP68

LIQUID LEVEL ALARMS

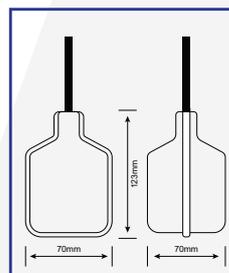
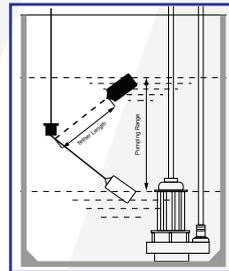
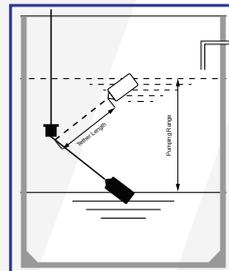
- 74 ECONO
- 75 DELUXE
- 76 ADVANCED
- 77 FLUSH MOUNT
- 78 TANK LEVEL INDICATORS

CONTROLLERS

- 79 TANK FILL
- 80 LOW LEVEL PUMP SHUT OFF
- 81 UNDERSINK / SULLAGE
- 82 TANK TOP UP
- 83 RAINS / MAINS
- 84 SINGLE PUMP - STANDARD
- 85 SINGLE PUMP - COMPAKT
- 86 DUAL PUMP - STANDARD
- 87 DUAL PUMP - COMPAKT
- 88 ADVANCED

HEAVY DUTY

- **Liquid Temperature:** Min 5°C (32°F)
Max 60°C (140°F)
- **Protection:** IP68 @ 9m (30ft) corrosion resistant
- **Contact Type:** Mechanically Activated, snap action contacts
- **Pumping Range:** 20 - 90cm (8 - 36 inches)
- **Max Voltage:** 240Vac 50/60Hz
- **Max Run Current:** 10AMPS (COS 0)
- **Cable Material:** Neoprene Rubber
- **Cable Size:** ø8mm / 2 x .75mm²
- **Housing Material:** Polypropylene

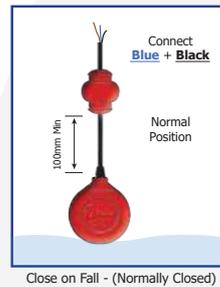
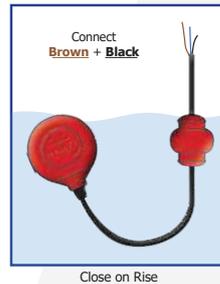
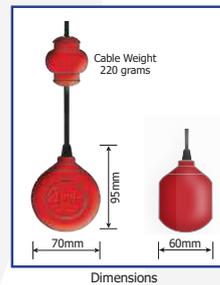


Code	Description	Packing	MOQ	Ctn
FSW-12407	9004 NRB 1.5m Cable N/O (close on rise)	1	1	40
FSW-12408	9004 NRB 2.5m Cable N/O (close on rise)	1	1	60
FSW-12409	9004 NRB 6m Cable N/O (close on rise)	1	1	20
FSW-12410	9004 NRB 10m Cable N/O (close on rise)	1	1	15
FSW-12411	9004 NRB 15m Cable N/O (close on rise)	1	1	10
FSW-12412	9004 NRB 20m Cable N/O (close on rise)	1	1	10
FSW-12413	9004 NRB 30m Cable N/O (close on rise)	1	1	6
FSW-12414	9004 NRB 40m Cable N/O (close on rise)	1	1	5
FSW-12415	9004 NRB 50m Cable N/O (close on rise)	1	1	4

FLOAT SWITCH - 9006 SERIES

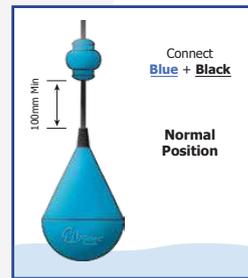


- **Liquid Temperature:** Min 5°C (32°F)
Max 60°C (140°F)
- **Liquid Density:** Min .65g/cm
Max 1.5g/cm
- **Protection:** IP68 @ 20m (65ft)
- **Working Pressure:** .35MPa
- **Switching Speed:** 600/min
- **Contact Life:** 10,000 switches
- **Contact Type:** Microswitch with NO and NC contacts
- **Switching Angle:** 25° (from horizontal)
- **Max Voltage:** 240Vac 50/60Hz
- **Max Run Current:** 6AMPS (COS 0)
- **Cable Material:** Neoprene Rubber
- **Cable Size:** ø6mm / 3 x .75mm²
- **Housing Material:** ABS - Acrylonine Butadiene Styrene
- **Chemical Resistance:** Acid - Good
Alkaline - Good
Petro - Good

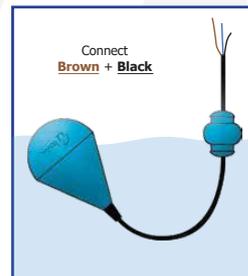


Code	Description	Packing	MOQ	Ctn
FSW-12528	9006 NRB 2.5m Cable	1	1	25
FSW-12529	9006 NRB 6m Cable	1	1	20
FSW-12530	9006 NRB 10m Cable	1	1	14
FSW-12531	9006 NRB 15m Cable	1	1	10
FSW-12532	9006 NRB 20m Cable	1	1	9
FSW-12533	9006 NRB 30m Cable	1	1	6
FSW-12534	9006 NRB 40m Cable	1	1	5

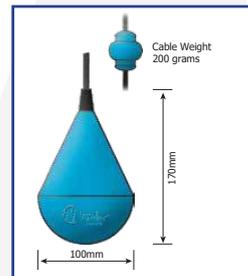
- **Liquid Temperature:** Min 5 °C (32 °F)
Max 60 °C (140 °F)
- **Liquid Density:** Min .65g/cm
Max 1.5g/cm
- **Protection:** IP68 @ 20m (65ft)
- **Working Pressure:** .35MPa
- **Switching Speed:** 600/min
- **Contact Life:** 10,000 switches
- **Contact Type:** Microswitch with NO and NC contacts
- **Switching Angle:** 20° (from horizontal)
- **Max Voltage:** 240Vac
- **Max Current:** 6AMPS (COS 0)
- **Cable Material:** Neoprene Rubber
- **Cable Size:** ø7mm / 3 x .75mm²
- **Housing Material:** ABS - Acrylonine Butadiene Styrene
- **Chemical Resistance:** Acid - Good
Alkaline - Good
Petro - Good



Close on Fall - (Normally Closed)



Close on Rise



Code	Description	Packing	MOQ	Ctn
FSW-12517	9010 NRB 10m Cable	1	1	10
FSW-12518	9010 NRB 15m Cable	1	1	10
FSW-12519	9010 NRB 20m Cable	1	1	10
FSW-12520	9010 NRB 30m Cable	1	1	5
FSW-12521	9010 NRB 40m Cable	1	1	5

FLOAT SWITCH - 9011 HIGH HEAT



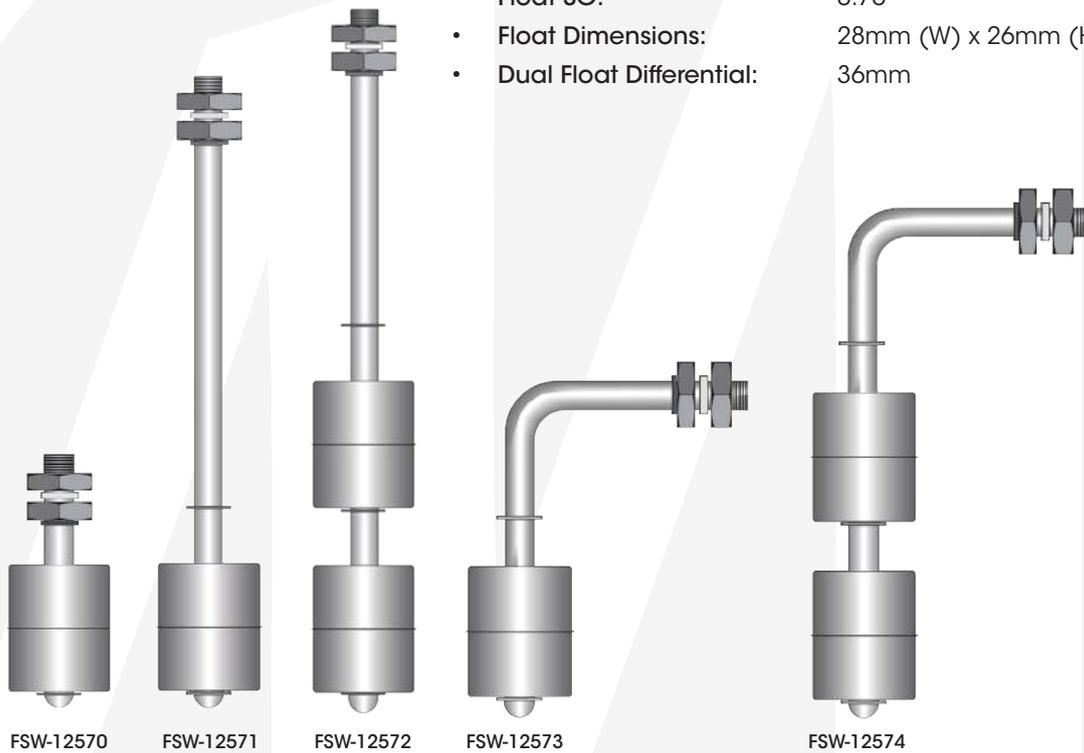
- **Liquid Temperature:** Min 5 °C (32 °F)
Max 110 °C (221 °F)
- **Liquid Density:** Min .65g/cm
Max 1.5g/cm
- **Protection:** IP68 @ 20m (65ft)
- **Working Pressure:** .35MPa
- **Switching Speed:** 600/min
- **Contact Life:** 10,000 switches
- **Contact Type:** Mercury Switch with NO, NC & Common
- Black (Common)
- Blue (Close on Rise)
- Brown (Close on Fall)
- **Max Voltage:** 230Vac
- **Max Current:** 2AMPS (COS 0)
- **Cable Material:** Heat Resistant Silicone Rubber
- **Cable Size:** ø8mm / 3 x .75mm²
- **Housing Material:** 316 Stainless Steel
- **Chemical Resistance:** Acid - Good
Alkaline - Good
Petro - Good



Code	Description	Packing	MOQ	Ctn
FSW-12580	9011 SRB 5m Cable	1	1	20

- Single & Dual Point Options
- Magnetic Reed Switch Technology
- High Reliability / Repeatability Standards
- Direct Interface to Controllers
- High Temperature Rating
- High Pressure Rating
- Suitable for Corrosive Conditions
- Commonly used in food processing, medical, heating, and cooling equipment

- Max Contact Rating: 50W
- Max Switching Voltage: 24V DC
- Max Switching Current: 1.5A
- Max Breakdown Voltage: 240V DC
- Max Carry Current: 3.0A
- Max Contact Resistance: 100mΩ
- Temperature Rating: 5° to 60°
- Float Material: 304SS
- Float Stem/Body Material: 304SS
- Float SG: 0.70
- Float Dimensions: 28mm (W) x 26mm (H)
- Dual Float Differential: 36mm



Code	Description	Packing	MOQ	Ctn
FSW-12570	Short Stem Single Vertical	1	1	1
FSW-12571	Single Vertical	1	1	1
FSW-12572	Long Stem Dual Vertical	1	1	1
FSW-12573	Side Mounted Single	1	1	1
FSW-12574	Side Mounted Dual	1	1	1

DIMENSIONS

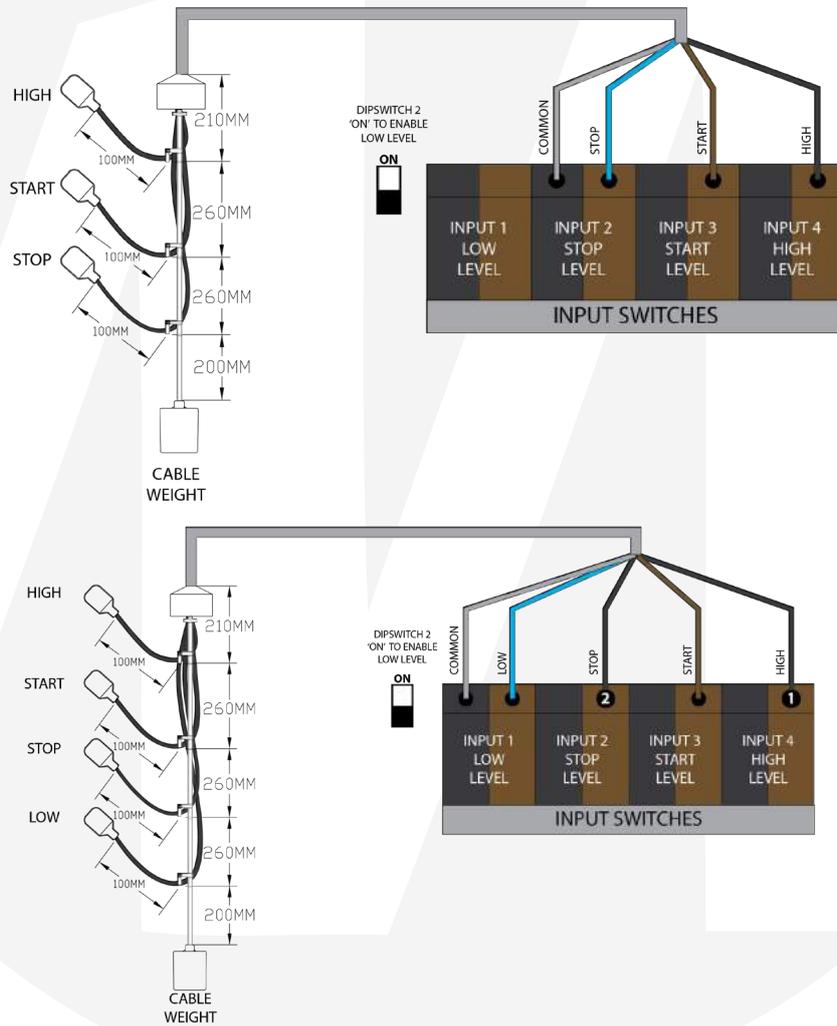
Code	Height (mm)
FSW-12570	62
FSW-12571	216
FSW-12572	140
FSW-12573	81
FSW-12574	117

MULTI LEVEL FLOAT TREE - 3 & 4 FLOAT

The Multi Float Tree is a unique combination of floats, configured in a way that minimises installation/ setup time and overcomes the many issues associated with float switch installations.

- No more tangled floats
- No more setting up with conduits and ties
- No more trying to pull multiple float wires through undersized conduit
- No more trying to decipher which wires relate to which floats
- Resin falled / potted connection - fully submersible
- Neoprene rubber float cables
- Horizontal pivot point for switching accuracy / consistency
- Weighted - obviating flow induced travel

CONNECTION



Code	Description	Packing	MOQ	Ctn
FSW-12545	Float Tree - 3 Float 10m Cable	1	1	1
FSW-12546	Float Tree - 4 Float 10m Cable	1	1	1
FSW-12547	Float Tree - 3 Float 20m Cable	1	1	1
FSW-12548	Float Tree - 4 Float 20m Cable	1	1	1

- Grommet: TPE - V
- Gasket: Silicone
- Tube: PA66 UL 94 V2
- Glands: PA66 UL 94 V2
- Screws: Zinc Passivated Steel
- Connector: Nickle Plated Brass
- Current Rating: 3 Pole - 32amps, 240Vac
5 Pole - 32amps, 415Vac
- Temperature Rating: 85°
- IP Protection: IP68



Code	Description	Packing	MOQ	Ctn
FCN-16245	Cable Connector 3 Pole 32Amp IP68	1/Pack	1/Pack	10
FCN-16250	Cable Connector 5 Pole 32Amp IP68	1/Pack	1/Pack	10

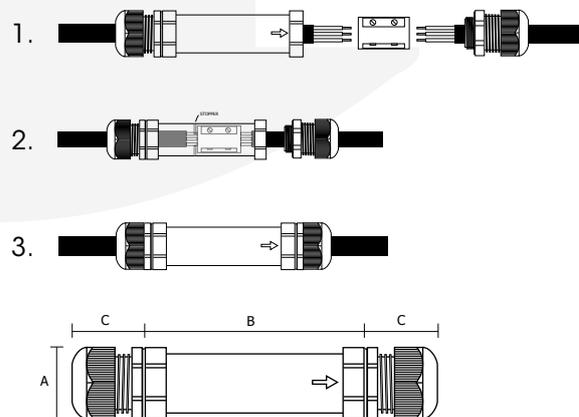
CABLE SIZING

	MIN OD ø (mm)	MAX OD ø (mm)
3 Pole	3.7	8.1
5 Pole	5	11.9

DIMENSIONS

	A (mm)	B (mm)	C (mm)
3 Pole	25	65	30
5 Pole	30	65	35

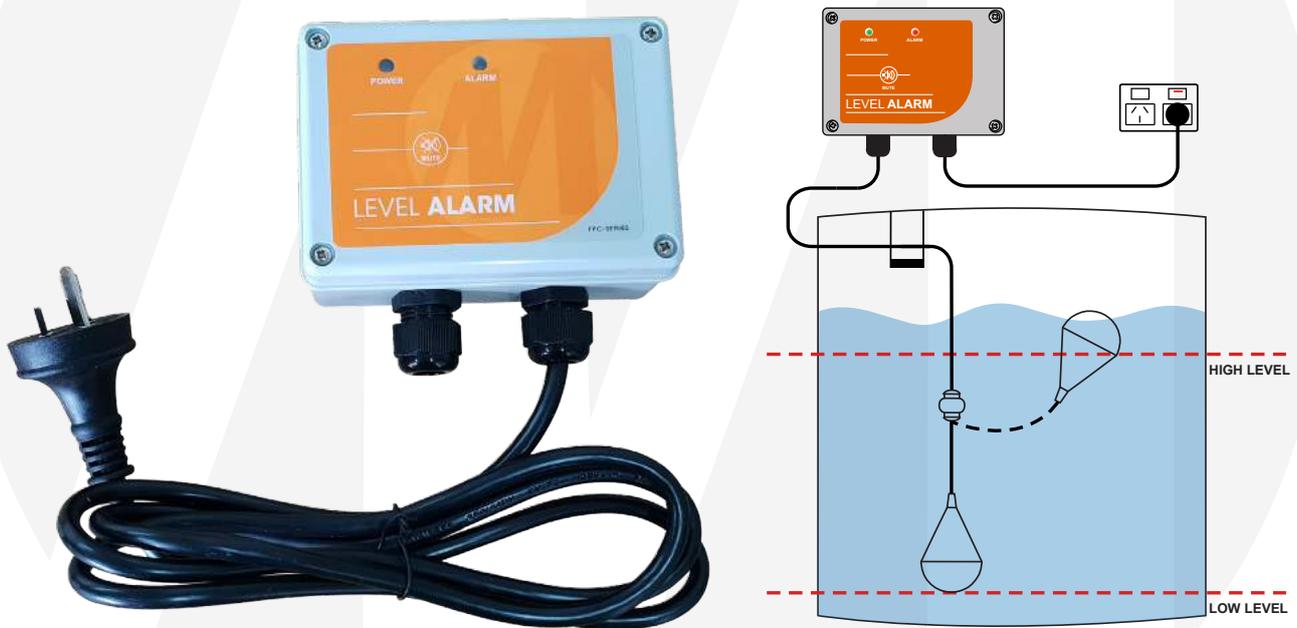
SIMPLE INSTALLATION



LIQUID LEVEL ALARMS - STANDARD

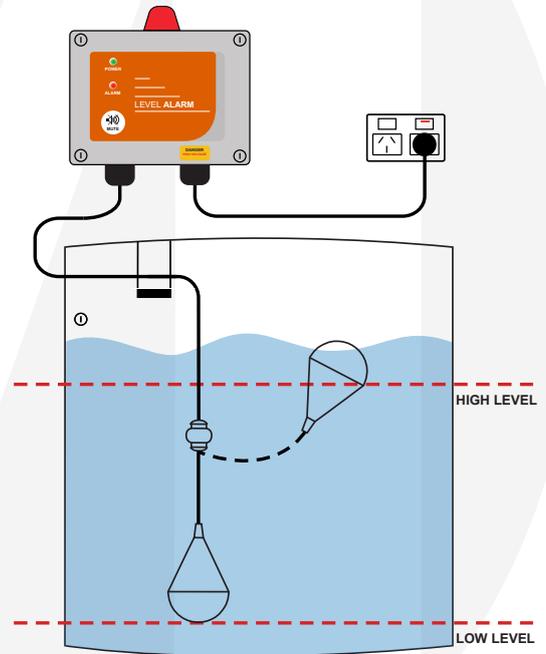
- Designed to provide warning indication when storage (effluent, grey water, rain water, etc) tank is either empty or full
- Warning condition determined by float switch
- Alarm condition indicated by buzzer and LED pilot light
- Mute button
- If not muted, buzzer will silence after 5 minutes. This function can be disabled via 'jumper' position

Note: Float Switch not included



Code	Description	Packing	MOQ	Ctn
FPC-12650	Liquid Level Alarm - Standard	1	1	1

- Designed to provide warning indication when storage (effluent, grey water, rain water, etc) tank is either empty or full
 - Warning condition determined by float switch
 - Alarm condition indicated by buzzer and LED pilot light
 - Mute button
 - If not muted, buzzer will silence after 5 minutes. This function can be disabled via 'jumper' position
 - Use as high or low level
- Note: Float Switch not included (except FPC-12651-QP)

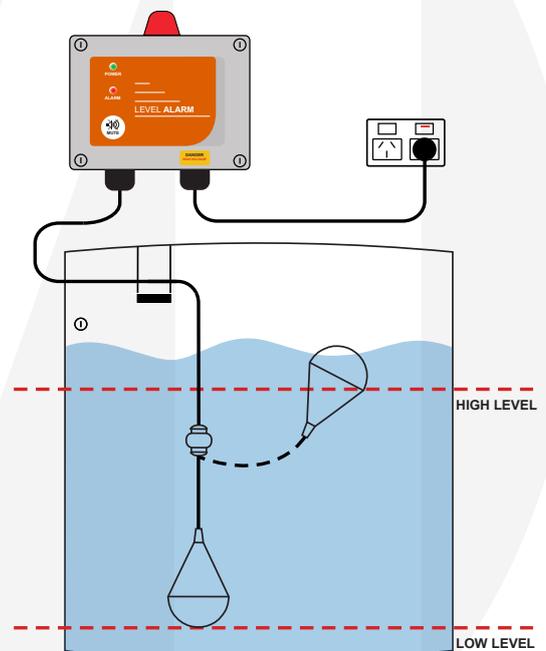


Code	Description	Packing	MOQ	Ctn
FPC-12651	Liquid Level Alarm - Deluxe	1	1	1
FPC-12651-QP	Liquid Level Alarm - Supplied with Quick Plug Float Switch	1	1	1
FPC-12663	Liquid Level Alarm - 12V DC Power Supply	1	1	1
FPC-12665	Liquid Level Alarm - Conductivity Probe input	1	1	1
FPC-12670	Liquid Level Alarm - Powder Coated Steel Enclosure	1	1	1

LIQUID LEVEL ALARMS - ADVANCED

- Designed to provide warning indication when storage (effluent, grey water, rain water, etc) tank is either empty or full
- Warning condition determined by float switch
- Alarm condition indicated by buzzer and LED pilot light
- Mute button
- If not muted, buzzer will silence after 5 minutes. This function can be disabled via 'jumper' position

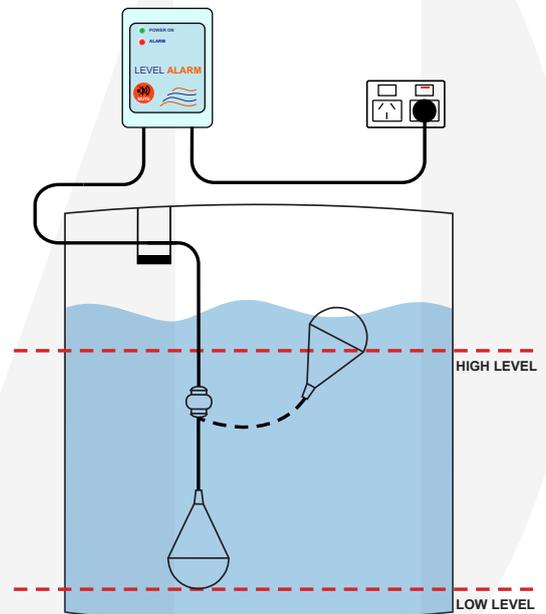
Note: Float Switch not included



Code	Description	Packing	MOQ	Ctn
FPC-12657	Liquid Level Alarm - with Battery Backup	1	1	1
FPC-12658	Liquid Level Alarm - with Solar Power Supply	1	1	1

- Designed to provide warning indication when storage (effluent, grey water, rain water, etc) tank is either empty or full
- Warning condition determined by float switch
- Alarm condition indicated by buzzer and LED pilot light
- Mute button
- If not muted, buzzer will silence after 5 minutes. This function can be disabled via 'jumper' position

Note: Float Switch not included

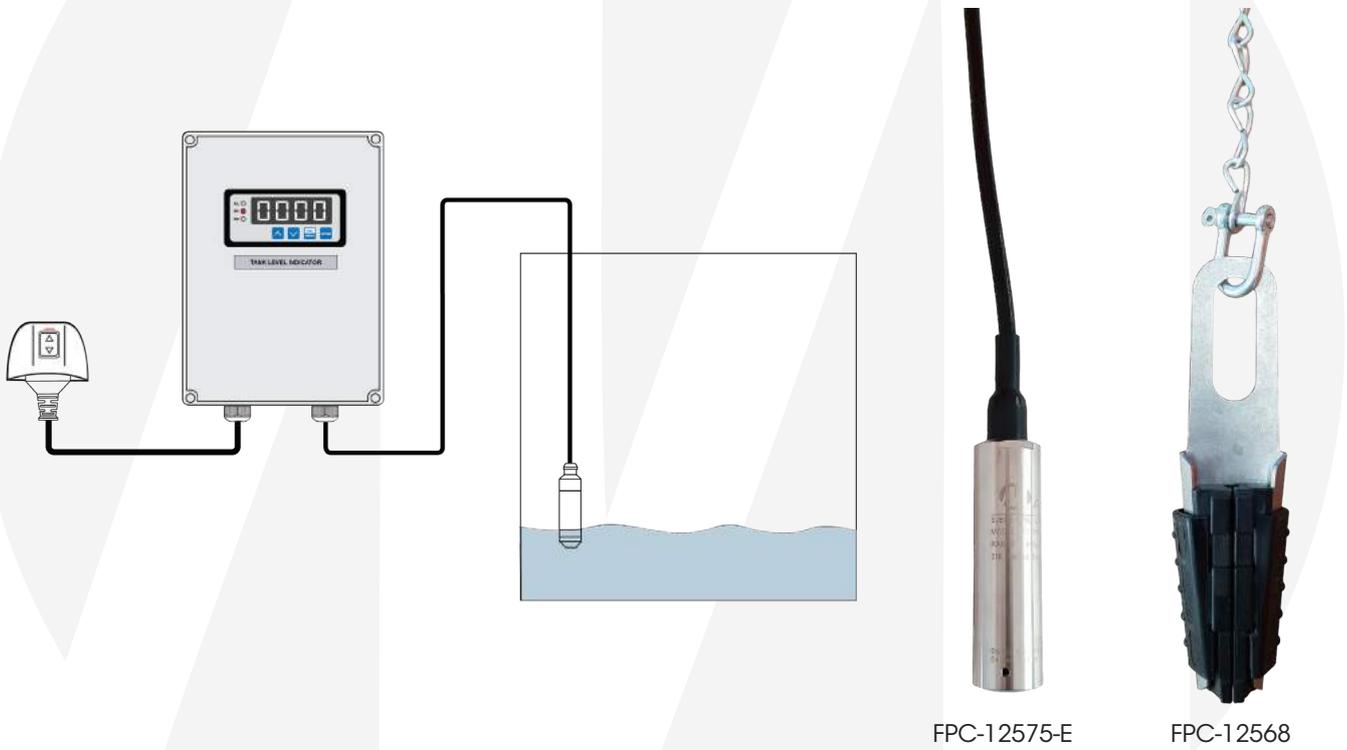


Code	Description	Packing	MOQ	Ctn
FPC-12656	Liquid Level Alarm - Flush Mount	1	1	1

TANK LEVEL INDICATORS

This simple, yet highly effective Tank Level Indicator provides an extremely accurate and informative indication of water level within a tank. This controller is coupled to a Hydrostatic Pressure Transducer, which provides a 4-20mA signal to the Process Meter. The Process Meter displays the level in very clear LED numerals

- Includes Hydrostatic Pressure Transducer
- Process Meter has 2 relay outputs
- Configurable display to show either Depth, Percentage Full or Litres
- Dual display options available

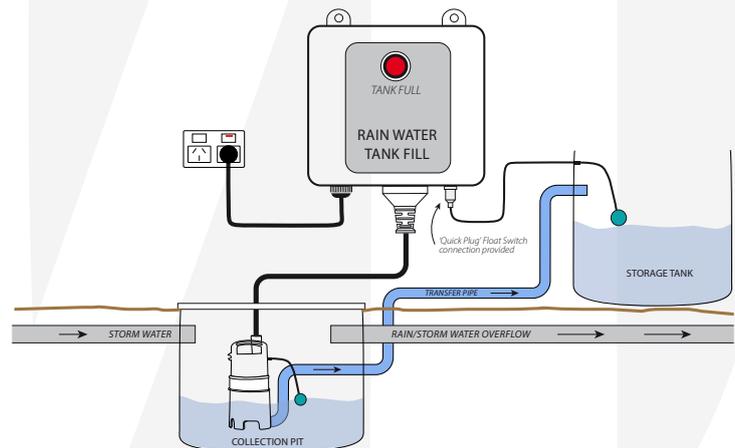


FPC-12575-E

FPC-12568

Code	Description	Packing	MOQ	Ctn
FPC-12705	Tank Level Indicator	1	1	1
FPC-12568	Hanging Bracket - Transducer	1	1	1

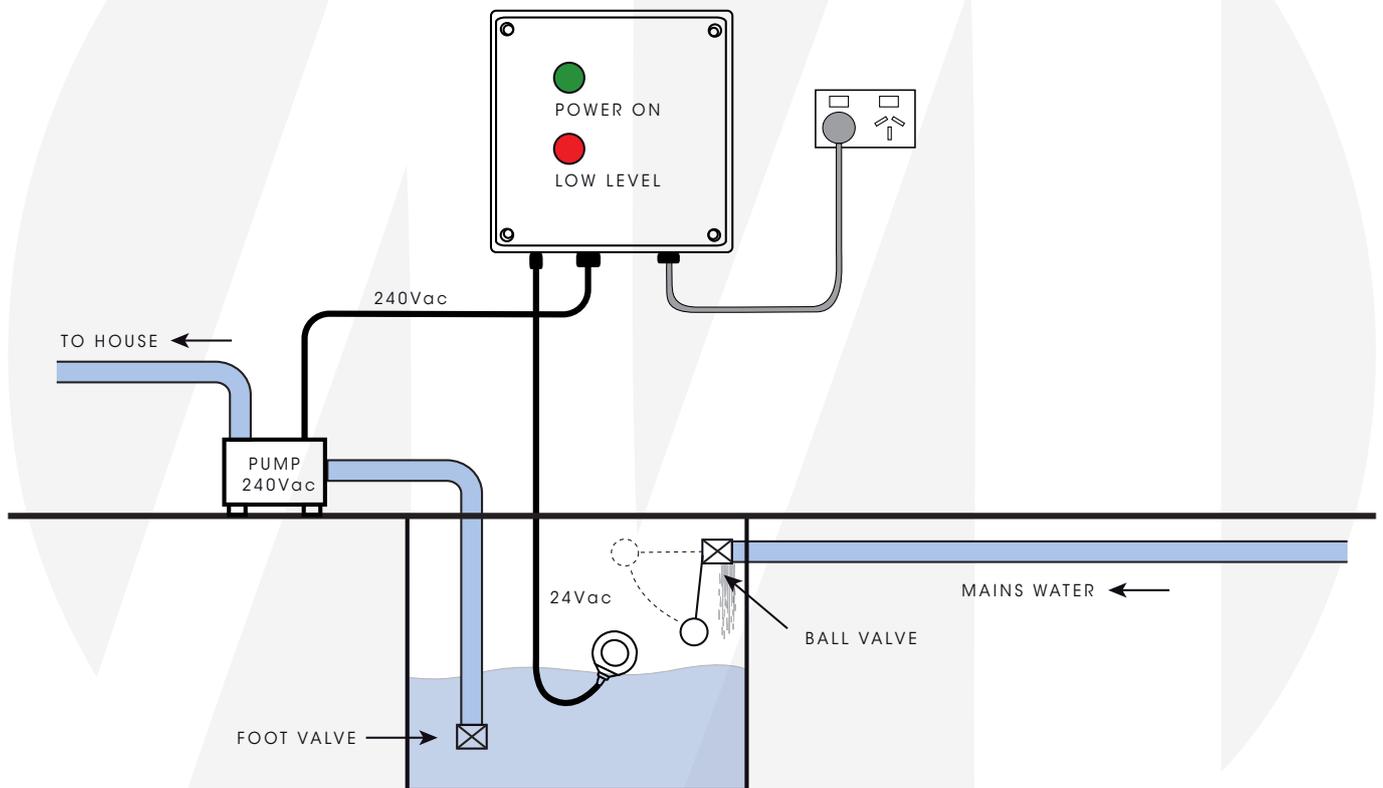
- Automatic 'Tank Full' pump inhibitor
- 'Tank Full' Indicator Light
- Low Voltage float switch circuitry
- Rated for pumps up to 8 amp
- Weatherproof polycarbonate enclosure
- 'Quick Plug' power, float switch and pump connections



Code	Description	Packing	MOQ	Ctn
FPC-11006	Tank Fill Controller - Quick Plug	1	1	1

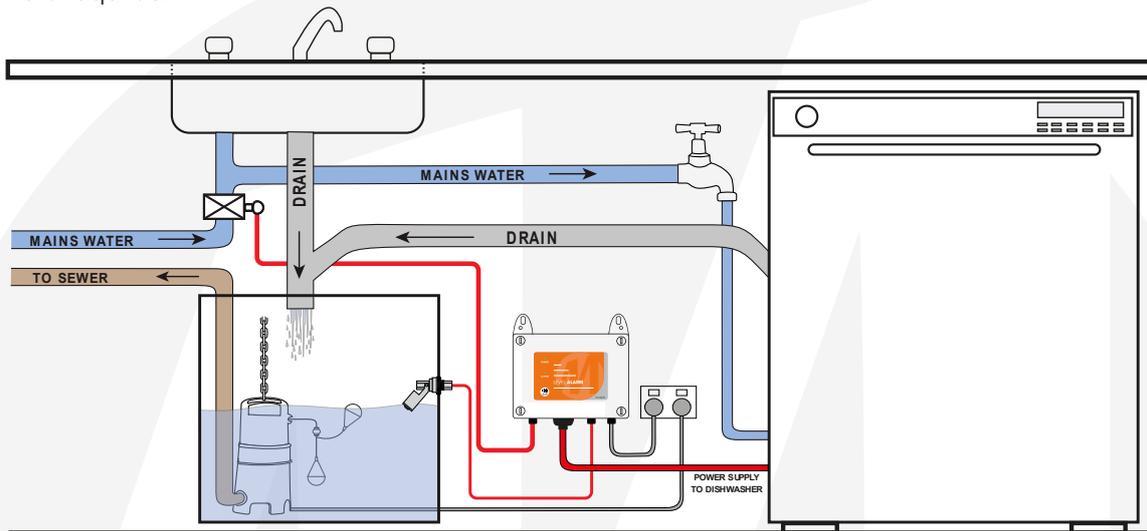
LOW LEVEL PUMP SHUT OFF CONTROLLER

- 'Power On' Indication
- 'Low Level' Indication
- 10 Amp Switch Rating
- 'Quick Plug' pump and float switch DIY connection
- Low Voltage float switch circuitry
- Includes float switch

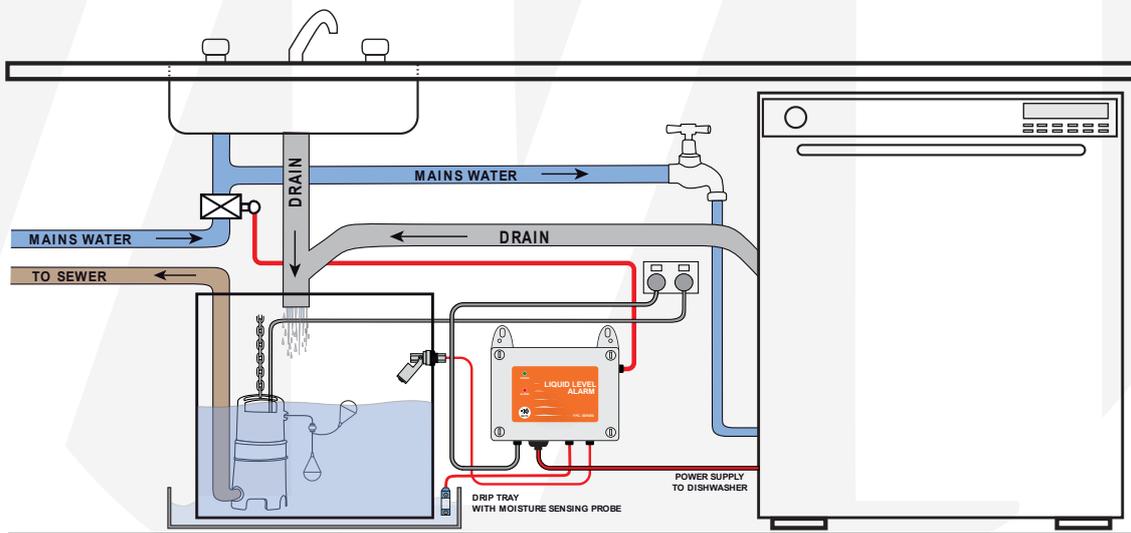


Code	Description	Packing	MOQ	Ctn
FPC-11010	Low Level Pump Shut Off Controller	1	1	1

- Designed for undersink applications, where there is a requirement for a high level alarm to provide audible and visual indication.
- With the Dishwasher Interlock version, in the event of a high level condition, the controller immediately isolates power to the dishwasher, ensuring no further 'inflow' to the chamber occurs.
- With the Valve Interlock version, in the event of a high level condition, the controller immediately isolates water flow from the sink, ensuring no further 'inflow' to the chamber occurs.
- Supplied in kit form, with level switch, valve, and GPO (for dishwasher). No high voltage connections are required.



FPC-12661



FPC-12662

Code	Description	Packing	MOQ	Ctn
FPC-12659	Level Alarm with Valve Interlock	1	1	1
FPC-12660	Level Alarm with Dishwasher Interlock	1	1	1
FPC-12661	Level Alarm with Valve & Dishwasher Interlock	1	1	1
FPC-12662	Level Alarm with Drip Tray Moisture Sensor	1	1	1
FPC-12666	Level Alarm with Valve & Dual Dishwasher Shut-off	1	1	1
FPC-12667	Level Alarm with Dual Valve & Dishwasher Shut-off	1	1	1

TANK TOP UP CONTROLLERS

- Simple retrofit
- Ideal for swimming pools, water tanks and reservoirs
- Delay in activation obviates wave induced switching
- 'Power On' and 'relay switched' indication
- Switching differential - Min 25mm - Max 10m
- Kit includes float switch and valve



Code	Description	Packing	MOQ	Ctn
FPC-12700	Tank Top Up Controller	1	1	1
FPC-12702	Tank Top Up Controller - Dual Float	1	1	1

FPC-12721-HD QUICK PLUG

The unique MATElec Rains/Mains Water Controller is Designed to provide a continuous supply of water for a variety of uses, whilst prioritizing and maximising the usage of Rain Water.

The system comprises of a Controller, a unique valve, and a Liquid Level switch. The Controller not only measures the level of stored Rain Water, switching the valve accordingly, but also provides a switched outlet for the control of power to a pressure pumping system.

If Rain Water becomes available, the valve through which Mains Water is being supplied is automatically pulsed closed. In the event of either 'Rain Water Depletion' or 'Power Failure' the controller will immediately pulse the valve open, and deenergises the pump output contacts.

The controller has a 'System Test' function which, if initiated, changes the status of the system to enable the operator to check pump and valve function at the press of a button.

The FPC-12721-HD model has been pre-fitted with sockets for the pump, valve and float switch connections. All these connections differ from each other making it impossible to incorrectly connect the unit. This is an excellent feature for installations where appropriately qualified tradesmen are not available.

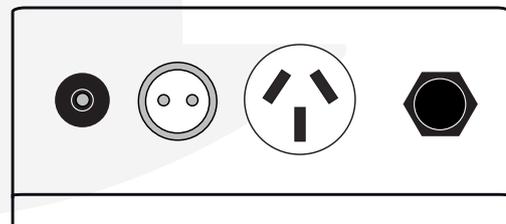
- Compatible with an entire range of high flow, low 'head loss' valves
- No pressure reducing valves
- Comes with 10m Float Switch
- Test Button - Provides change of system status information pump and valve switching
- Indicator lights provide 'power' and 'valve' status information
- Pump protection feature - If Rain Water is depleted, switching of pump output isolates power to pressure pump system



Includes 10m Float Switch



Includes Valve



Base View

Code	Description	MOQ
FPC-12721-HD	Rains/Mains Controller inc 10m Float Switch	1

SINGLE PUMP CONTROLLERS - STANDARD

The MATElec Australia range of dual pump controllers are built behind the enduring concept of 'One Controller does it all'. Our controllers boast a great range of features, with simplicity of operation.

- Advanced Micro Processor Control Panel
- Highly Durable electronic keypad
- Auto/On/Off Manual Operation of pumps
- IP44 (No Inner Door) and IP56 (with Inner Door) rated powder coated enclosures (Stainless Steel available on request)
- Unique MATElec Dipswitch for easy configuration
- Thermal Overload protection
- Visual and audible alarms c/w mute switch
- Circuit breaker protected low voltage control and input circuitry



FPC-15002/6



FPC-15005/7

Code	Description
FPC-15002	Single Phase - No Inner Door
FPC-15005	Single Phase - With Inner Door
FPC-15006	Three Phase - No Inner Door
FPC-15007	Three Phase - With Inner Door

Each variant of the range is available with the following overload ratings. To determine the product code, please add the suffix below to the range variant, eg FPC-15002-A

Range Suffix	Overload Rating
-AA	1.6 - 2.5 Amp
-A	2.5 - 4.0 Amp
-B	4.0 - 6.0 Amp
-BB	5.5 - 8.0 Amp
-C	7.0 - 10.0 Amp
-D	9.0 - 13.0 Amp
-E	12.0 - 18.0 Amp



The Kompakt range of pump controllers are an extremely cost effective range, in a 300mm x 300mm x 150mm enclosure, yet boasting many features.

- 4x Digital Inputs arranged as screw terminals
- 2x 230Vac Pump outputs
- Current monitoring of pumps for detection of overload and subsequent shut off
- 2+ 12V DC outputs for siren + strobe
- 1x Normally open 'common fault' output
- 1x Single pump keypad interface
- 1x External mute button input
- Unique MATElec Dip Switch for easy configuration



Code	Description
FPC-37001	Kompakt Single Pump Controller 0.1-6 Amp
FPC-37002	Kompakt Single Pump Controller 5-16 Amp

DUAL PUMP CONTROLLERS - STANDARD

The MATElec Australia range of dual pump controllers are built behind the enduring concept of 'One Controller does it all'. Our controllers boast a great range of features, with simplicity of operation.

- Advanced Micro Processor Control Panel
- Highly Durable electronic keypad
- Auto/On/Off Manual Operation of pumps
- IP44 (No Inner Door) and IP56 (with Inner Door) rated powder coated enclosures (Stainless Steel available on request)
- Unique MATElec Dipswitch for easy configuration
- Thermal Overload protection
- Visual and audible alarms c/w mute switch
- Circuit breaker protected low voltage control and input circuitry



FPC-30010/30



FPC-30020/40

Code	Description
FPC-30010	Single Phase - No Inner Door
FPC-30020	Single Phase - With Inner Door
FPC-30030	Three Phase - No Inner Door
FPC-30040	Three Phase - With Inner Door

Each variant of the range is available with the following overload ratings. To determine the product code, please add the suffix below to the range variant, eg FPC-30010-A

Range Suffix	Overload Rating
-AA	1.6 - 2.5 Amp
-A	2.5 - 4.0 Amp
-B	4.0 - 6.0 Amp
-BB	5.5 - 8.0 Amp
-C	7.0 - 10.0 Amp
-D	9.0 - 13.0 Amp
-E	12.0 - 18.0 Amp



The Kompakt range of pump controllers are an extremely cost effective range, in a 300mm x 300mm x 150mm enclosure, yet boasting many features.

- 4x Digital Inputs arranged as screw terminals
- 2x 230Vac Pump outputs
- Current monitoring of pumps for detection of overload and subsequent shut off
- 2+ 12V DC outputs for siren + strobe
- 1x Normally open 'common fault' output
- 1x Single pump keypad interface
- 1x External mute button input
- Unique MATElec Dip Switch for easy configuration

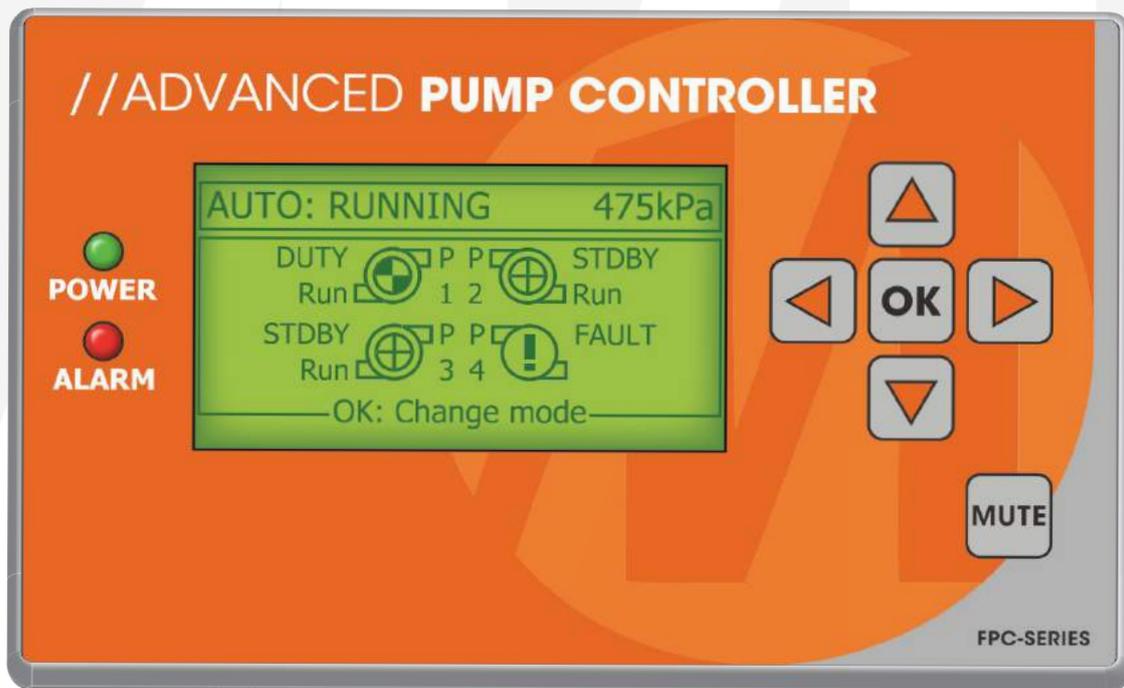


Code	Description
FPC-37010	Kompakt Dual Pump Controller 0.1-6 Amp
FPC-37020	Kompakt Dual Pump Controller 5-16 Amp

ADVANCED PUMP CONTROLLERS

The Kompakt range of pump controllers are an extremely cost effective range, in a 300mm x 300mm x 150mm enclosure, yet boasting many features.

- 4x Digital Inputs arranged as screw terminals
- 2x 230Vac Pump outputs
- Current monitoring of pumps for detection of overload and subsequent shut off
- 2+ 12V DC outputs for siren + strobe
- 1x Normally open 'common fault' output
- 1x Single pump keypad interface
- 1x External mute button input
- Unique MATElec Dip Switch for easy configuration



PURCHASE ORDERS //

Purchase orders can be placed with MATElec Australia by way of a number of methods:

Telephone Orders:	(Free call: 1800 281 282)
Facsimile:	(Free fax: 1300 281 282)
Email:	sales@matelecaustralia.com.au
By Hand:	Handed to Company representative

On receipt of (receiving) a purchase order you will be contacted by a Customer Service Representative, confirming receipt of your purchase order and advising any queries pertaining to the order. Queries may include business opportunities, applicable current promotions, delivery instructions, pricing discrepancies, back orders and therefore subsequent ETA's or product alternatives etc.

On dispatch of your purchase order, Dispatch Confirmation Advice may be forwarded by email detailing delivery details including carrier and consignment note number.

MATElec Australia takes great pride in an exceptionally high order fill rate. However, in the event stock is unable to be supplied as expected, product alternatives are explored and offered where applicable. Product turn-around times will be confirmed and advised. MATElec Australia account management includes methodical customer back order management, including notification of the latest ETA's, order confirmation, order consolidation and or amendments where applicable.

TECHNICAL SUPPORT //

The MATElec Australia Technical Support team provides unparalleled support to clients, installers and users of it's products. This support ranges from product selection, through to application and usage optimization.

Since the design and manufacture of many of the products has been implemented in-house, product knowledge is a significant resource which MATElec Australia makes available to it's customer base.



SALES AND SERVICE //

MATelec Australia proudly services the Australian Electrical Wholesale market through manufacturing, supplying and distributing competitively priced quality products in an effective, efficient and professional manner.

MATelec Australia's products and services are exclusively available through recognised Electrical Wholesalers only, therefore supporting the wholesaler industry and maintaining standards and integrity within the industry. The MATelec Australian network enables us to provide our customers with a superior service, including 'second to none' after sales service and ongoing product support.

QUOTATIONS //

Obligation free quotations are encouraged and welcomed here at MATelec Australia. All quotations tendered or sourced are processed and submitted promptly, in most circumstances the same day. Quotations are processed by Sales at Head Office; a file will be opened on receipt of the quotation containing all information pertaining to the quotation.

Quotations include the following information:

MATelec Australia quotation number, quotation reference (if provided), product details, standard product packaging, quantity, price (ex GST), validity and delivery costs pertaining to quotation if applicable.



DELIVERY AND FREIGHT //

MATelec Australia provides a standard 24 hour delivery time for Metropolitan and surrounding areas across Australia, and 48 hours delivery for Queensland and Regional areas for orders placed before 4pm. MATelec Australia enjoys the flexibility of a number of highly reputed carriers, allowing majority of all wholesalers to enjoy such delivery times regardless of their location. MATelec Australia is able to provide alternative delivery inside these periods for situations where needed.

The warehouse, from which the order is to be dispatched, is dependent on Customer location and stock availability. Every product dispatched from MATelec Australia warehouses is carefully picked and packed. Great pride is taken ensuring each and every product arrives at the wholesaler in perfect saleable condition and in a timely manner.

Every order dispatched leaves MATelec Australia with weight details, number of boxes, carrier and consignment note number. In the event there is a query relating to delivery or freight, all are handled from Head Office in Shepparton, VIC.

Orders exceeding \$250.00 +GST are F.I.S (free delivery into store). Orders under this amount, will attract freight charges. Freight charges are clearly itemised on the invoice where freight is charged. Freight charges can vary from state to state. The option to nominate your preferred carrier is also available.



A D M I N //

MATelec Australia's Admin Department operates to an exceptionally high standard with all processes streamlined to ensure total customer satisfaction.

Based at Shepparton, our competent Admin team members are always available to promptly attend to any accounting queries. From the 48 hour turnaround time on credit applications, to the mail out by the 1st working day of the new month of customer statements, MATelec Australia pro-actively ensures that customer expectations are exceeded.

Immediate attention is given to all administration enquiries including:

- Account Balances
- Payment Receipts
- Goods Return Requests (GRA's)
- Copy documents
- Customer historical data

MATelec Australia's Admin Department has the ability to tailor an accounting/reporting process to best meet the many varied needs of its vast customer base. Services can include:

- Statement consolidation for Group Accounts
- Settlement Discounts



TERMS & CONDITIONS //

MONTREAUX PTY LTD trading as MATElec Australia ACN 160 835 334 ("Company") Trading Terms & Conditions For Sale of Goods

These Trading Terms & Conditions ("Terms") apply (unless otherwise previously agreed in writing) to the supply of Goods by the Company to Customer from time to time. Any supply of Goods by the Company to the Customer made from time to time after the date of acceptance of these Terms is a supply pursuant to the supply agreement constituted by these Terms & the relevant order accepted by the Company ('Agreement') & any such supply does not give rise to a new or separate agreement.

1. Interpretation

In these Terms unless the contrary intention appears:

"Additional Charges" includes all delivery, handling & storage charges, goods & services tax, stamp duty, interest, legal & other costs of recovery of unpaid money & all other government imposts & all money, other than the Purchase Price, payable by the Customer to the Company arising out of the sale of the Goods.

"Company" means Montreoux Pty Ltd, ACN 160 835 334 trading as MATElec Australia.

"Consequential Loss" means

- i. loss of revenue;
- ii. loss of profit or anticipated profit;
- iii. loss of business;
- iv. loss of business reputation;
- v. loss of opportunities;
- vi. loss of anticipated savings;
- vii. loss of goodwill; &
- viii. any other loss suffered by a party as a result of a breach of this Agreement that cannot reasonably be considered to arise directly & naturally from that breach.

"Customer" means the person to or for whom the Goods are to be supplied by the Company.

"Force Majeure Event" means any event outside the reasonable control of the Company including acts of God, war, riots, strikes, lock outs, trade disputes, break downs, mechanical failures, interruptions of transport, Government action or any other cause whatsoever, whether or not of a like nature to those specified above.

"Goods" means the goods sold to the Customer by the Company & includes any services provided by the Company to Customer.

"PPSA" means the Personal Property Securities Act 2009 (Cth), as amended.

"Purchase Price" means the list price for the goods as charged by the Company at the date of delivery or such other price as may be agreed by the Company & the Customer prior to delivery of the Goods.

2. Order for Goods

- 2.1 An order given to the Company is binding on the Company & the Customer, if:
 - 2.1.1 a written acceptance is signed for or on behalf of the Company; or
 - 2.1.2 the Goods are supplied by the Company in accordance with the order.
- 2.2 An acceptance of the order by the Company is then to be an acceptance of these Terms by the Company & the Customer & these Terms will override any conditions contained in the Customer's order. The Company reserves the right to accept a part only of any order by notifying the Customer in writing or by delivering the Goods to the Customer. No order is binding on the Company until accepted by it.
- 2.3 An order which has been accepted in whole or in part by the Company cannot be cancelled by the Customer without obtaining the prior written approval of the Company, which it may refuse in its absolute discretion. In the event cancellation of an order is approved by the Company, the Company reserves the right to claim payment from the Customer & the Customer agrees to pay a cancellation fee equivalent to 10% of the price of the order or that part of the order so cancelled.

3. Warranties

- 3.1 Subject to any of the Company's warranty statements, the Company's liability is limited to, to the extent permissible by law & at the Company's option:
 - 3.1.1 in relation to the Goods:
 - i. the replacement of the products or the supply of equivalent products
 - ii. the repair of the products
 - iii. the payment of the cost of replacing the products or of acquiring equivalent products; or
 - iv. The payment of the cost of having the products repaired
 - 3.1.2 where the Goods are services:
 - i. the supply of service again; or
 - ii. payment of the cost of having the services supplied again.
- 3.2 Any claims to be made against the Company for short delivery of Goods must be lodged with the Company in writing within 7 days of the delivery date.
- 3.3 The Customer shall inspect all Goods immediately after delivery & shall within 7 days of the delivery date & in any case prior to on-selling or otherwise using the Goods, give notice to the Company of any matter or thing by reason of which the Customer alleges the Goods or any part of the Goods are not in accordance with the sale contract & failure to give such notice shall, to the extent permitted by law, constitute unqualified acceptance & a waiver of all such claims by the Customer.
- 3.4 To the extent permitted at law, all other warranties whether implied or otherwise, not set out in these Terms or expressed in any warranty statement provided by the Company, are excluded & the Company is not liable in contract, tort (including, without limitation, negligence or breach of statutory duty) or otherwise to compensate the Customer for any Consequential Loss.

4. Delivery

- 4.1 The times quoted for delivery are estimates only & the Company accepts no liability for failure or delay in delivery of Goods. The Customer is not relieved of any obligation to accept or pay for Goods by reason of any delay in delivery. Goods may be delivered by instalments at the discretion of the Company.
- 4.2 Risk in the Goods passes to the Customer on delivery to the Customer (a) at or in the near vicinity of an address specified by the Customer; (b) into possession of the Customer or its carrier at the premises of the Company; (c) into possession of a carrier at the premises of the Company, engaged by the Company to deliver the Goods to the Customer; (d) to the wharf, rail-yard, or other transport loading station specified by the Customer.
- 4.3. All Additional Charges are payable by the Customer in addition to the Purchase Price of the Goods.
- 4.4. Return of Goods will not be accepted by the Company except by prior agreement in writing with the Company. Any Goods returned will be subject to a cartage & handling charge of 20% of the Purchase Price of those Goods. The Customer agrees that the Company may deduct any cartage & handling charge from any credit of the Customer's account except where the Company agrees that it has supplied the wrong goods.

5. Price & Payment

- 5.1 The Customer must pay the Purchase Price & the Additional Charges to the Company.
- 5.2 If the Customer is in default, the Company may at its option withhold further deliveries or cancel a contract without prejudice to any of its existing rights, withdraw credit or refuse any further credit.
- 5.3 The terms of payment are as follows, unless otherwise agreed to in writing by the Company:
 - (a) in the case of a Customer granted an approved credit account by & with the Company - 30 days from the end of the month of purchase;
 - (b) in any other case, Cash on Delivery (COD)
- 5.4 Interest is charged at the rate of 1.5% per month or part of a month from the expiry of that period until the date payment is received by the Company.
- 5.5 All amounts payable by the Customer under these Terms must be paid without set-off, cross-demand or counter claim of any kind.
- 5.6 Any monies refunded by the Company to the Customer, whether in consequence of the cancellation of an order or otherwise, shall be repaid without interest & after deduction of any amount the Company may be entitled to charge & it is expressly agreed that the Customer shall not make or maintain any claim against the Company for payment of interest on monies refunded or to be refunded.

6. Retention of Title

- 6.1 Ownership, title & property in the Goods & in the proceeds of sale of those Goods remains with the Company until payment in full for the Goods & all sums due & owing by the Customer to the Company on any account has been made. Until the date of payment:
- 6.1.1 the Customer has the right to sell the Goods in the ordinary course of business;
- 6.1.2 the Goods are always at the risk of the Customer.
- 6.2 The Customer is deemed to be in default immediately upon the happening of any of the following events:
- 6.2.1 if any payment to the Company is not made promptly before the due date for payment;
- 6.2.2 if the Customer ceases to carry on business or stops or suspends payment or states its intention of so doing or is unable to pay its debts as they fall due or if any cheque or bill of exchange drawn by the Customer payable to the Company is dishonoured;
- 6.3 In the event of a default by the Customer, then, without prejudice to any other rights which the Company may have at law or under this Agreement:
- 6.3.1 the Company or its agents may without notice to the Customer enter the Customer's premises or any premises under the control of the Customer for the purposes of recovering the Goods.
- 6.3.2 the Company may recover & resell the Goods;
- 6.3.3 if the Goods cannot be distinguished from similar Goods which the Customer has or claims to have paid for in full, the Company may in its absolute discretion seize all goods matching the description of the Goods & hold same for a reasonable period so that the respective claims of the Company & the Customer may be ascertained. The Company must promptly return to the Customer any goods the property of the Customer & the Company is in no way liable or responsible for any loss or damage to the Goods or for any loss, damage or destruction to the Customer's business howsoever arising from the seizure of the Goods.
- 6.3.4 In the event that the Customer uses the Goods in some manufacturing or construction process of its own or some third party, then the Customer must hold such part of the proceeds of sale of such manufacturing or construction process as relates to the Goods in trust for the Company. Such part will be an amount equal in dollar terms to the amount owing by the Customer to the Company at the time of the receipt of such proceeds. The Customer will pay the Company such funds held in trust upon the demand of the Company.
- 6.4 Separately, Customer hereby charges all its right, title & interest to & in the proceeds of sale of the Collateral (as defined in the PPSA) as original collateral, or any of it, in favour of the Company.

7. PPSA

- 7.1 Defined terms in this clause have the same meaning as given to them in the PPSA.
- 7.2 The Company & the Customer acknowledge that these Terms constitute a Security Agreement & entitle the Company to claim:
- (a) a Purchase Money Security Interest ("PMSI") in favour of the Company over the Collateral supplied or to be supplied to the Customer as Grantor pursuant to these Terms; &
- (b) a security interest over the proceeds of sale of the Collateral referred to in (a) as original collateral.
- 7.3 The goods supplied or to be supplied under these Terms fall within the PPSA classification of "Other Goods" acquired by the Customer pursuant to these Terms.
- 7.4 The Proceeds of sale of the Collateral referred to in clause 8.2(a) falls within the PPSA classification of "Account".
- 7.5 The Company & the Customer acknowledge that the Company, as Secured Party, is entitled to register its Security Interest in the Collateral supplied or to be supplied to the Customer pursuant to these Terms & in the relevant Proceeds.
- 7.6 To the extent permissible at law, the Customer:
- 7.6.1 waives its right to receive notification of or a copy of any Verification Statement confirming registration of a Financing Statement or a Financing Change Statement relating to a Security Interest granted by the Customer to the Company.
- 7.6.2 agrees to indemnify the Company on demand for all costs & expenses, including legal costs & expenses on a solicitor/client basis, associated with the;
- 7.6.2.1 registration or amendment or discharge of any Financing Statement registered by or on behalf of the Company; &
- 7.6.2.2 enforcement or attempted enforcement of any Security Interest granted to the Company by the Customer;
- 7.6.3 agrees that nothing in sections 130 & 143 of the PPSA will apply to these Terms or the Security under these Terms;
- 7.6.4 agrees to waive its right to do any of the following under the PPSA:
- 7.6.4.1 receive notice of removal of an Accession under section 95;
- 7.6.4.2 receive notice of an intention to seize Collateral under section 123;
- 7.6.4.3 object to the purchase of the Collateral by the Secured Party under section 129;
- 7.6.4.4 receive notice of disposal of Collateral under section 130;
- 7.6.4.5 receive a Statement of Account if there is no disposal under section 132(4);
- 7.6.4.6 receive a Statement of Account under section 132(3)(d) following a disposal showing the amounts paid to other Secured Parties & whether Security Interests held by other Secured Parties have been discharged.
- 7.6.4.7 receive notice of retention of Collateral under section 135;
- 7.6.4.8 redeem the Collateral under section 142; &
- 7.6.4.9 reinstate the Security Agreement under section 143.
- 7.6.5 All payments received from the Customer must be applied in accordance with section 14(6)(c) of the PPSA.

8. On-Sale

The Customer agrees that upon the on-sale of any Goods to third parties, it will:

- 8.1.1 inform any third party involved of these Terms;
- 8.1.2 inform any third party of the Company's product warranties if any; &
- 8.1.3 not make any misrepresentations to third parties about the Goods.

9. Trustee Capacity

If the Customer is the trustee of a trust (whether disclosed to the Company or not), the Customer warrants to Company that:

- 9.1 the Customer enters into this Agreement in both its capacity as trustee & in its personal capacity;
- 9.2 the Customer has the right to be indemnified out of trust assets;
- 9.3 the Customer has the power under the trust deed to enter into this Agreement; &
- 9.4 the Customer will not retire as trustee of the trust or appoint any new or additional trustee without first advising the Company.

10. Indemnity

To the full extent permitted by law, the Customer will indemnify the Company & keep the Company indemnified from & against any liability & any loss or damage the Company may sustain, as a result of any breach, act or omission, arising directly or indirectly from or in connection with any breach of any of these Terms by the Customer or its representatives

11. Force Majeure

- 11.1 The Company will not be liable for the consequences of any failure or delay in performing any of its obligations under this Agreement to the extent that such failure or delay is due directly or indirectly to any Force Majeure Event.
- 11.2 If a Force Majeure Event arises, the Company will notify the Customer in writing of the Force Majeure Event & the likely impact it will have on the Company's performance under this Agreement. If the Force Majeure Event affects the capacity of the Company to complete its material obligations under this Agreement in a timely manner, the Company may by notice to the Customer terminate this Agreement without any liability whatsoever on its part arising from that termination.

12. General

- 12.1 These Terms are to be construed in accordance with the laws from time to time in the State of Victoria & the Commonwealth of Australia. The parties submit to the non-exclusive jurisdiction of the Courts of Victoria, Australia & any courts which may hear appeals from those courts in respect to any proceedings in connection with these Terms.
- 12.2 These Terms contain all of the terms & conditions of the contract between the parties & may only be varied by agreement in writing between the parties.
- 12.3 Any conditions found to be void, unenforceable or illegal may, to that extent be severed from the Agreement.
- 12.4 No waiver of any of these Terms or failure to exercise a right or remedy by the Company will be considered to imply or constitute a further waiver by the Company of the same or any other term, condition, right or remedy.

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