CW Products Made To Measure Roller Shutter Catalogue

2015

January 2015

Quality, Innovation, Service & Value!

CW PRODUCTS
HOME AUTOMATION & ROLLER SHUTTERS

Why CW Products is Australasia's Leading Supplier of Made To Measure Roller Shutters & Home Automation Products

If you're in the Roller Shutter or Home Automation business, you really should consider CW Products for the supply of your made to measure roller shutters, roller shutter accessories and home automation products!

CW Products is one of Australasia's leading manufacturers and wholesale suppliers of high quality roller shutter products. With state-of-the-art manufacturing facilities and processes, coupled with over 30 years manufacturing experience, we take pride in supplying the Australasian market with the highest quality and widest range of roller shutter products.

CW Products also supplies some of the world's best automation products and solutions for awnings, blinds, roller shutters, home cinema projection screens, TV lifts and gates.

Whether you are an installer, manufacturer or retailer, CW Products can help your roller shutter business become more efficient by saving you time and money. Why not reduce your labour costs, machinery maintenance costs and stock holdings?

At CW Products we manufacture the highest quality, precision-cut roller shutters and back our quality with exceptional service, industry-best technical support, marketing materials to help you sell, as well as always ensuring readily available supply of product across Australasia! And all our roller shutters offer a 5 Year Guarantee.

With CW Products as your made to measure supplier, your Roller Shutter and Home Automation business will start rolling in!

CW PRODUCTS
HOME AUTOMATION & ROLLER SHUTTERS

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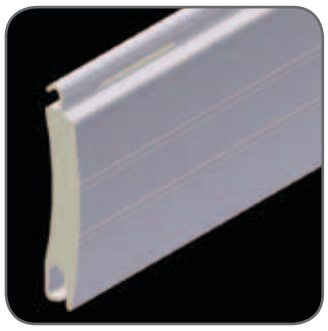
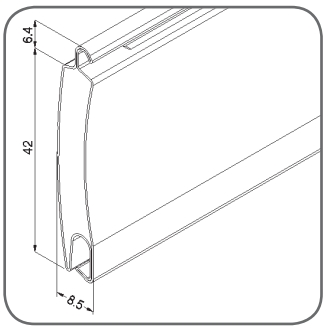
42mm Single Line Roller Shutter

(Residential/Light Commercial)





This roller shutter range is made with a precision roll formed roller shutter profile.

Suitable Applications

- Domestic Windows.
- Domestic Doorways.
- Light Commercial Shop Fronts & Windows.
- Counter Tops/Serveries.

Features

- High quality aluminium alloy construction.
- Foam filled profile for additional strength and silent operation.
- High quality painted finish.
- Smooth and curved face profile.
- Roll-tight design.
- Wide range of colours.
- Double coated + lacquer for abrasion resistant finish.
- Machine inserted profile end clips providing extra shutter strength.
- High quality internal sealed bearings.
- Suitable for widths up to 3200mm.
- Can be manually operated or motorised.
- Made in Australia.

Technical Specifications

Maximum Shutter Width	3200mm
Maximum Shutter Height	2600mm
Maximum Surface Area	7m^2
Curtain Weight/Metre^2	3.2kg
Number Of Slats/Metre	24
Profile Slat Covering	42mm
Profile Slat Thickness	8.5mm
Axle Types	Octagonal Aluminium or Steel
Bottom Bar Dimensions	55mm x 8.5mm
Guide Dimensions	53mm x 22mm
Paint Finish	Polyurethane/Polyamide (PU/PA)
Inner Profile Foam Type	Poly Urethane (CFC Free)

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

Made To Measure Roller Shutters

Pelmet Sizes & Maximum Shutter Height

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height	Axle Size
150mm	31	**1300mm**	60mm
165mm	41	**1700mm**	60mm
180mm	52	**2200mm**	60mm
205mm	67	**2850mm**	60mm
230mm	93	**3900mm**	60mm

Wind Speeds & Maximum Shutter Width

Wind Speed	Max. Shutter Width	Max. Surface Area
11.2m/sec	**3200mm**	9.7m^2
13m/sec	**3010mm**	9.03m^2
15.8m/sec	**2550mm**	7.65m^2
20.4m/sec	**2180mm**	6.54m^2
25.9m/sec	**1940mm**	5.82m^2
34.9m/sec	**1990mm**	5.37m^2

Roller Shutter Colour Options

Profiles
Cream
Magnolia Cream
Clear Beige
White
Grey
Brown
Beige
Green
Red
Bronze
Black
Charcoal
Silver
Deep Ocean
Woodland Grey

Pelmets/Side Frames/ Guides/Bottom Bars
Cream
Magnolia Cream
Clear Beige
White
Brown
Black
Woodland Grey
Powder coated options available (additional charges apply)

Control Options

Manual Options

Strap Winder (Up To 20Kg)

Cord Winder (Up To 20Kg)

Steel Cable Winder (Up To 50Kg)

Strap Coiler (Up To 20Kg)

Cord Coiler (Up To 20Kg)

Spring Loaded With Key Lock

Motorised Options

Remote Control With SolarSmart™ Automation 12V Motor

PowerSmart™ Control System With 12V Motor

Wall Switch With 240V Electric Motor

Remote Control With 240V Electric SIMU Hz Motor

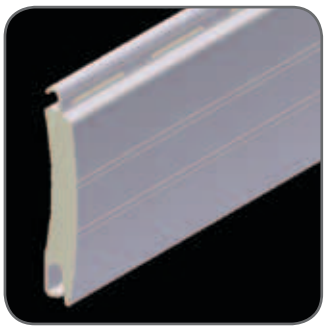
Key Switch With 240V Electric Motor

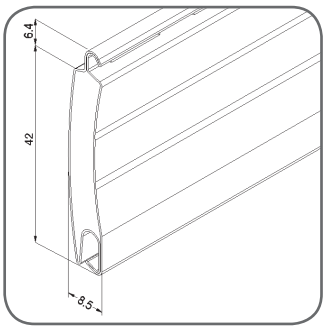
Crank Handle With 240V Electric Manual Override Motor

To place an order please complete the **CW Products Made To Measure Roller Shutter Order Form** available from your CW Products representative.

42mm Double Line Roller Shutter

(Residential/Light Commercial)





This roller shutter range is made with a precision roll formed roller shutter profile.

Suitable Applications

- Domestic Windows.
- Domestic Doorways.
- Light Commercial Shop Fronts & Windows.
- Counter Tops/Serveries.

Features

- High quality aluminium alloy construction.
- Foam filled profile for additional strength and silent operation.
- High quality painted finish.
- Double line grooved and curved face profile.
- Roll-tight design.
- Wide range of colours.
- Double coated + lacquer for abrasion resistant finish.
- Machine inserted profile end clips providing extra shutter strength.
- High quality internal sealed bearings.
- Suitable for widths up to 3200mm.
- Can be manually operated or motorised.
- Made in Australia.

Technical Specifications

Maximum Shutter Width	3200mm
Maximum Shutter Height	2600mm
Maximum Surface Area	7m^2
Curtain Weight/Metre^2	3.2kg
Number Of Slats/Metre	24
Profile Slat Covering	42mm
Profile Slat Thickness	8.5mm
Axle Types	Octagonal Aluminium or Steel
Bottom Bar Dimensions	55mm x 8.5mm
Guide Dimensions	53mm x 22mm
Paint Finish	Polyurethane/Polyamide (PU/PA)
Inner Profile Foam Type	Poly Urethane (CFC Free)

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

Made To Measure Roller Shutters

Pelmet Sizes & Maximum Shutter Height

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height	Axle Size
150mm	31	**1300mm**	60mm
165mm	41	**1700mm**	60mm
180mm	52	**2200mm**	60mm
205mm	67	**2850mm**	60mm
230mm	93	**3900mm**	60mm

Wind Speeds & Maximum Shutter Width

Wind Speed	Max. Shutter Width	Max. Surface Area
11.2m/sec	**3200mm**	9.7m^2
13m/sec	**3010mm**	9.03m^2
15.8m/sec	**2550mm**	7.65m^2
20.4m/sec	**2180mm**	6.54m^2
25.9m/sec	**1940mm**	5.82m^2
34.9m/sec	**1990mm**	5.37m^2

Roller Shutter Colour Options

Profiles
Cream
Magnolia Cream
Clear Beige
White
Grey
Brown
Beige
Green
Red
Bronze
Black
Charcoal
Silver
Deep Ocean
Woodland Grey

Pelmets/Side Frames/ Guides/Bottom Bars
Cream
Magnolia Cream
Clear Beige
White
Brown
Black
Woodland Grey
Powder coated options available (additional charges apply)

Control Options

Manual Options

Strap Winder (Up To 20Kg)

Cord Winder (Up To 20Kg)

Steel Cable Winder (Up To 50Kg)

Strap Coiler (Up To 20Kg)

Cord Coiler (Up To 20Kg)

Spring Loaded With Key Lock

Motorised Options

Remote Control With SolarSmart™ Automation 12V Motor

PowerSmart™ Control System With 12V Motor

Wall Switch With 240V Electric Motor

Remote Control With 240V Electric SIMU Hz Motor

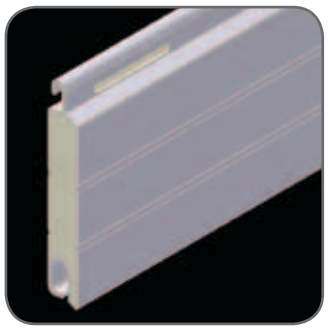
Key Switch With 240V Electric Motor

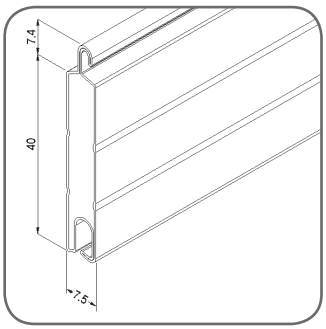
Crank Handle With 240V Electric Manual Override Motor

To place an order please complete the **CW Products Made To Measure Roller Shutter Order Form** available from your CW Products representative.

40mm Flat Roller Shutter

(Residential/Light Commercial)





This roller shutter range is made with a precision roll formed roller shutter profile.

Suitable Applications

- Domestic Windows.
- Domestic Doorways.
- Light Commercial Shop Fronts & Windows.
- Counter Tops/Serveries.

Features

- High quality aluminium alloy construction.
- Foam filled profile for additional strength and silent operation.
- High quality painted finish.
- Double line grooved and flat face profile.
- Wide range of colours.
- Double coated + lacquer for abrasion resistant finish.
- High quality internal sealed bearings.
- Suitable for widths up to 3200mm.
- Can be manually operated or motorised.
- Made in Australia.

Technical Specifications

Maximum Shutter Width	3200mm
Maximum Shutter Height	2600mm
Maximum Surface Area	7m^2
Curtain Weight/Metre^2	3.5kg
Number Of Slats/Metre	25
Profile Slat Covering	40mm
Profile Slat Thickness	7.5mm
Axle Types	Octagonal Aluminium or Steel
Bottom Bar Dimensions	55mm x 8.5mm
Guide Dimensions	53mm x 22mm
Paint Finish	Polyurethane/Polyamide (PU/PA)
Inner Profile Foam Type	Poly Urethane (CFC Free)

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

CW ROLLER SHUTTER 5 YEAR GUARANTEE

Made To Measure Roller Shutters

Pelmet Sizes & Maximum Shutter Height

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height	Axle Size
150mm	25	**1000mm**	60mm
165mm	30	**1200mm**	60mm
180mm	40	**1600mm**	60mm
205mm	60	**2400mm**	60mm
230mm	75	**3000mm**	60mm

Wind Speeds & Maximum Shutter Width

Wind Speed	Max. Shutter Width	Max. Surface Area
11.2m/sec	**3200mm**	9.7m^2
13m/sec	**3010mm**	9.03m^2
15.8m/sec	**2550mm**	7.65m^2
20.4m/sec	**2180mm**	6.54m^2
25.9m/sec	**1940mm**	5.82m^2
34.9m/sec	**1990mm**	5.37m^2

Roller Shutter Colour Options

Profiles	Pelmets/Side Frames/ Guides/Bottom Bars
Cream	Cream
Clear Beige	Magnolia Cream
White	Clear Beige
Grey	White
Brown	Brown
Beige	Black
Green	Woodland Grey
Red	Powder coated options available (additional charges apply)
Bronze	

Control Options

Manual Options

Strap Winder (Up To 20Kg)

Cord Winder (Up To 20Kg)

Steel Cable Winder (Up To 50Kg)

Strap Coiler (Up To 20Kg)

Cord Coiler (Up To 20Kg)

Spring Loaded With Key Lock

Motorised Options

Remote Control With SolarSmart™ Automation 12V Motor

PowerSmart™ Control System With 12V Motor

Wall Switch With 240V Electric Motor

Remote Control With 240V Electric SIMU Hz Motor

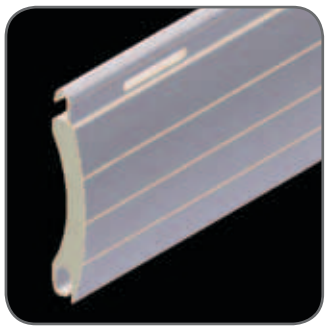
Key Switch With 240V Electric Motor

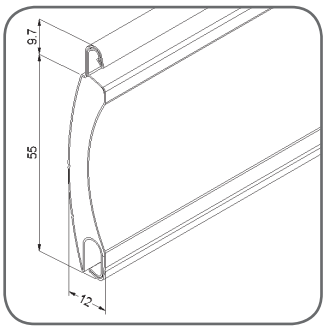
Crank Handle With 240V Electric Manual Override Motor

To place an order please complete the **CW Products Made To Measure Roller Shutter Order Form** available from your CW Products representative.

55mm Widespan Roller Shutter

(Widespan Residential/Light Commercial)





This roller shutter range is made with a precision roll formed roller shutter profile, and is suitable for many widespan applications.

Suitable Applications

- Domestic Windows.
- Domestic Doorways.
- Garage Doors.
- Light Commercial Shop Fronts & Windows.
- Counter Tops/Serveries.
- Entry Level Security for Factories, Warehouses, Clubs, Pubs & Hotels, Restaurants, Pharmacies & Sports Complexes.

Features

- High quality aluminium alloy construction.
- Foam filled profile for additional strength, security and silent operation.
- High quality painted finish.
- Smooth and curved face profile.
- Roll-tight design.
- Range of colours.
- Double coated + lacquer for abrasion resistant finish.
- Heavy duty steel axle with high quality internal sealed bearings.
- Suitable for widespan widths up to 4500mm.
- Can be manually operated or motorised.
- Made in Australia.

* CW Products recommends the use of Photo Safety Cells when installing automated roller shutters over openings and doorways. Especially when the roller shutter is not in full view of the operator (eg. when using a remote control or wall switch positioned away from the roller shutter and out of view). When using a wall switch, we recommend a spring return switch/deadman switch.

Technical Specifications

Maximum Shutter Width	4500mm
Maximum Shutter Height	3000mm
Maximum Surface Area	10m^2
Curtain Weight/Metre^2	4kg
Number Of Slats/Metre	18
Profile Slat Covering	55mm
Profile Slat Thickness	12mm
Axle Types	Octagonal Steel
Bottom Bar Dimensions	55mm x 8.5mm
Guide Dimensions	68mm x 25mm/18mm
Paint Finish	Polyurethane/Polyamide (PU/PA)
Inner Profile Foam Type	Poly Urethane (CFC Free)

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

Made To Measure Roller Shutters

Pelmet Sizes & Maximum Shutter Height

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height	Axle Size
180mm	32	**1850mm**	60mm
205mm	42	**2400mm**	60mm
230mm	55	**3100mm**	70mm
230mm	49	**2800mm**	101mm with adaptor
250mm	65	**3650mm**	101mm with adaptor
250mm	56	**3150mm**	130mm with adaptor

Roller Shutter Colour Options

Profiles	Pelmets/Side Frames/ Guides/Bottom Bars
Cream	Cream
Clear Beige	Clear Beige
White	White
Brown	Brown
Silver	Black
	Powder coated options available (additional charges apply)

Wind Speeds & Maximum Shutter Width

Wind Speed	Max. Shutter Width	Max. Surface Area
11.2m/sec	**4500mm**	10.5m^2
13m/sec	**4000mm**	10m^2
15.8m/sec	**3300mm**	8.25m^2
20.4m/sec	**2900mm**	7.25m^2
25.9m/sec	**2500mm**	6.25m^2
34.9m/sec	**2400mm**	6m^2

To place an order please complete the **CW Products Made To Measure Roller Shutter Order Form** available from your CW Products representative.

Control Options

Manual Options

Steel Cable Winder (Up To 50Kg)

Spring Loaded With Key Lock

Motorised Options

Remote Control With SolarSmart™ Automation 12V Motor

PowerSmart™ Control System With 12V Motor (Up To 50Kg)*

Wall Switch With 240V Electric Motor

Remote Control With 240V Electric SIMU Hz Motor

Motorised Options (continued)

Key Switch With 240V Electric Motor

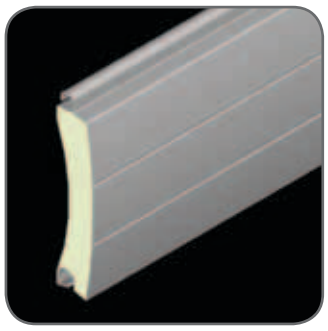
Crank Handle With 240V Electric Manual Override Motor

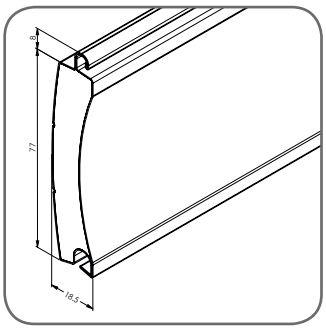
S-05 Remote Control (Key Ring Transmitter) With 240V Electric Motor & Multi-Function S-05 Radio Receiver & Control Unit

* When used in conjunction with an assist spring as per CW Products specifications.

77mm Widespan Roller Shutter

(Widespan Residential/Commercial)





This roller shutter range is made with a precision roll formed roller shutter profile, and is suitable for many widespan applications.

Suitable Applications

- Residential Garage Doors.
- Commercial Garage Doors.
- Commercial Windows.
- Commercial Shop Fronts & Doorways.
- Entry Level Security for Factories, Warehouses, Clubs, Pubs & Hotels, Restaurants, Pharmacies & Sports Complexes.

Features

- High quality aluminium alloy construction.
- Foam filled profile for additional strength, security and silent operation.
- High quality painted finish.
- Smooth and curved face profile.
- Rolls smaller than traditional steel roller doors.
- Range of colours.
- Double coated + lacquer for abrasion resistant finish.
- Comprehensively engineered for extra strength.
- Heavy duty guides and bottom bar.
- Fully enclosed pelmet with internal rollers and reinforcement side plates.
- Suitable for widespan widths up to 5900mm.
- Can be manually operated or motorised.
- Made in Australia.

* CW Products recommends the use of Photo Safety Cells when installing automated roller shutters over openings and doorways. Especially when the roller shutter is not in full view of the operator (eg. when using a remote control or wall switch positioned away from the roller shutter and out of view). When using a wall switch, we recommend a spring return switch/deadman switch.

Technical Specifications

Maximum Shutter Width	5900mm
Maximum Shutter Height	3000mm
Maximum Surface Area	15m² (depending on wind zone)
Curtain Weight/Metre²	5kg
Number Of Slats/Metre	13
Profile Slat Covering	77mm
Profile Slat Thickness	18.5mm
Axle Types	Octagonal or Round Steel
Bottom Bar Dimensions	106mm x 19mm
Guide Dimensions	105mm x 37mm/26mm
Paint Finish	Polyurethane/Polyamide (PU/PA)
Inner Profile Foam Type	Poly Urethane (CFC Free)

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

Made To Measure Roller Shutters

Pelmet Sizes & Maximum Shutter Height

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height	Axle Size
250mm	23	**2000mm**	101mm with adaptor
250mm	21	**1800mm**	130mm with adaptor
300mm	39	**3200mm**	101mm with adaptor
300mm	36	**3000mm**	150mm with adaptor

Roller Shutter Colour Options

Profiles	Pelmets/Side Frames/ Guides/Bottom Bars
White	White
Brown	Brown
Silver	Powder coated options available (additional charges apply)

Wind Speeds & Maximum Shutter Width

Wind Speed	Max. Shutter Width	Max. Surface Area
11.2m/sec	**4400mm**	13.23m^2
13m/sec	**3520mm**	10.56m^2
15.8m/sec	**3060mm**	9.18m^2
20.4m/sec	**2670mm**	8.01m^2

Control Options

Manual Options | Motorised Options

Steel Cable Winder (Up To 50Kg)

Wall Switch With 240V Electric Motor

Remote Control With 240V Electric SIMU Hz Motor

Key Switch With 240V Electric Motor

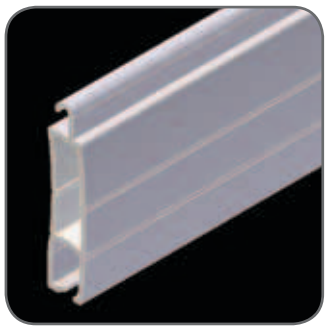
Crank Handle With 240V Electric Manual Override Motor

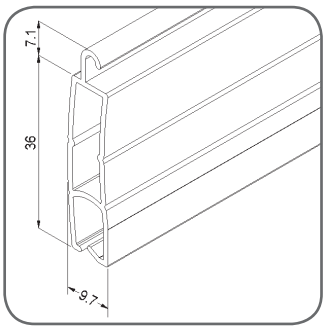
S-05 Remote Control (Key Ring Transmitter) With 240V Electric Motor & Multi-Function S-05 Radio Receiver & Control Unit

To place an order please complete the **CW Products Made To Measure Roller Shutter Order Form** available from your CW Products representative.

36mm Extruded Roller Shutter

(High Security Commercial)





* 36mm Extruded Double Line Grooved Profile Also Available With Perforations. 36mm Extruded Smooth Face Profile Also Available.

Technical Specifications

Maximum Shutter Width	5800mm (with Winged Slat Locks)
Maximum Shutter Height	3000mm
Maximum Surface Area	12m^2
Curtain Weight/Metre^2	7.5kg
Number Of Slats/Metre	28
Profile Slat Covering	36mm
Profile Slat Thickness	9.7mm
Axle Types	Octagonal Steel
Bottom Bar Dimensions	55mm x 8.5mm
Guide Dimensions	68mm x 25mm/14mm (Heavy Duty Guide)
Paint Finish	High Quality Powder Coat Finish

This roller shutter range is made with a precision extruded roller shutter profile, and is suitable for many commercial and industrial grade applications.

Suitable Applications

- Commercial Windows.
- Commercial Shop Fronts & Doorways.
- Garage Doors.
- High Security for Factories, Warehouses, Clubs, Pubs & Hotels, Restaurants, Pharmacies, Sports Complexes, Arcades, Shopping Mall Entrances, Mining & High Security Areas.

Features

- High quality, strong aluminium alloy construction.
- Commercial grade double wall extruded profile for heavy duty strength.
- High quality powder coated finish for maximum abrasion resistance.
- Double line grooved and slight curved face profile. (Note: smooth and slight curved face available.)
- Roll-tight design.
- Range of colours.
- Heavy duty steel axle with high quality internal sealed bearings.
- Suitable for widespan widths up to 5800mm.
- Can be manually operated or motorised.
- Made in Australia.

* CW Products recommends the use of Photo Safety Cells when installing automated roller shutters over openings and doorways. Especially when the roller shutter is not in full view of the operator (eg. when using a remote control or wall switch positioned away from the roller shutter and out of view). When using a wall switch, we recommend a spring return switch/deadman switch.

CW ROLLER SHUTTER 5 YEAR GUARANTEE

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

Made To Measure Roller Shutters

Pelmet Sizes & Maximum Shutter Height

Standard Slat Locks

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height	Axle Size
180mm	50	**1800mm**	60mm
205mm	56	**2020mm**	70mm
230mm	72	**2600mm**	70mm
250mm	90	**3250mm**	70mm
250mm	85	**3050mm**	101mm with adaptor
250mm	72	**2590mm**	130mm with adaptor

Winged Slat Locks

180mm	38	**1350mm**	60mm
205mm	46	**1650mm**	70mm
230mm	62	**2300mm**	70mm
250mm	72	**2600mm**	70mm
250mm	78	**2800mm**	101mm with adaptor
250mm	65	**2350mm**	130mm with adaptor

Roller Shutter Colour Options

Profiles	Pelmets/Side Frames/ Guides/Bottom Bars
Cream	Cream
Clear Beige	Clear Beige
White	White
Black	Black
Anodised Silver	Powder coated options available (additional charges apply)

Control Options

Manual Options

Steel Cable Winder (Up To 50Kg)

Spring Loaded With Key Lock

Motorised Options

Remote Control With SolarSmart™ Automation 12V Motor (Up To 50Kg)

PowerSmart™ Control System With 12V Motor (Up To 50Kg)*

Wall Switch With 240V Electric Motor

Remote Control With 240V Electric SIMU Hz Motor

Motorised Options (continued)

Key Switch With 240V Electric Motor

Crank Handle With 240V Electric Manual Override Motor

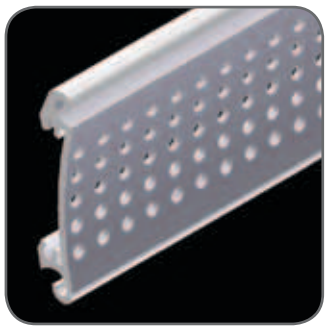
S-05 Remote Control (Key Ring Transmitter) With 240V Electric Motor & Multi-Function S-05 Radio Receiver & Control Unit

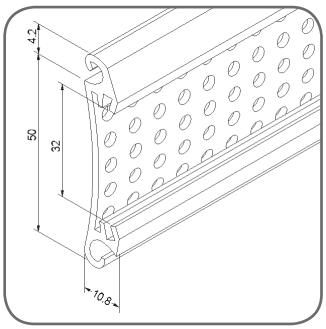
* When used in conjunction with an assist spring as per CW Products specifications.

To place an order please complete the **CW Products Made To Measure Roller Shutter Order Form** available from your CW Products representative.

50mm Extruded Vision Roller Shutter

(Commercial)





This roller shutter range is made with a precision extruded roller shutter profile, with approximately 20% vision and ventilation perforations, and is suitable for many commercial and industrial grade applications.

Suitable Applications

- Commercial Windows.
- Commercial Shop Fronts & Doorways.
- Garage Doors.
- Security for Factories, Warehouses, Clubs, Pubs & Hotels, Restaurants, Pharmacies, Sports Complexes, Arcades, Shopping Mall Entrances & Shopping Centre Grilles.

Features

- High quality, strong aluminium alloy construction.
- Commercial grade single wall extruded profile for heavy duty strength.
- Vision and ventilation perforations for airflow and light.
- High quality powder coated finish for maximum abrasion resistance.
- Perforated and curved face profile.
- Roll-tight design.
- Range of colours.
- Heavy duty steel axle with high quality internal sealed bearings.
- Suitable for widespan widths up to 5500mm.
- Can be manually operated or motorised.
- Made in Australia.

* CW Products recommends the use of Photo Safety Cells when installing automated roller shutters over openings and doorways. Especially when the roller shutter is not in full view of the operator (eg. when using a remote control or wall switch positioned away from the roller shutter and out of view). When using a wall switch, we recommend a spring return switch/deadman switch.

Technical Specifications

Maximum Shutter Width	5500mm
Maximum Shutter Height	3000mm
Maximum Surface Area	9m²
Curtain Weight/Metre²	8.5kg
Number Of Slats/Metre	20
Profile Slat Covering	50mm
Profile Slat Thickness	10.8mm
Axle Types	Octagonal Steel
Bottom Bar Dimensions	67mm x 10mm
Guide Dimensions	68mm x 25mm/18mm
Paint Finish	High Quality Powder Coat Finish

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

Made To Measure Roller Shutters

Pelmet Sizes & Maximum Shutter Height

Standard Slat Locks

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height	Axle Size
180mm	33	**1750mm**	70mm
205mm	44	**2350mm**	70mm
230mm	56	**2950mm**	70mm
250mm	70	**3700mm**	70mm
250mm	64	**3350mm**	101mm with adaptor
250mm	55	**2900mm**	130mm with adaptor

Winged Slat Locks

180mm	23	**1250mm**	60mm
180mm	17	**950mm**	70mm
205mm	36	**1900mm**	70mm
230mm	44	**2300mm**	70mm
250mm	50	**2600mm**	101mm with adaptor

Roller Shutter Colour Options

Profiles	Pelmets/Side Frames/ Guides/Bottom Bars
Cream	Cream
Clear Beige	Clear Beige
White	White
Anodised Silver	Black
	Powder coated options available (additional charges apply)

Control Options

Manual Options

Steel Cable Winder (Up To 50Kg)

Spring Loaded With Key Lock

Motorised Options

Remote Control With SolarSmart™ Automation 12V Motor (Up To 50Kg)

PowerSmart™ Control System With 12V Motor (Up To 50Kg)*

Wall Switch With 240V Electric Motor

Remote Control With 240V Electric SIMU Hz Motor

Motorised Options (continued)

Key Switch With 240V Electric Motor

Crank Handle With 240V Electric Manual Override Motor

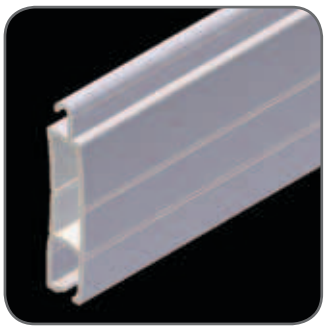
S-05 Remote Control (Key Ring Transmitter) With 240V Electric Motor & Multi-Function S-05 Radio Receiver & Control Unit

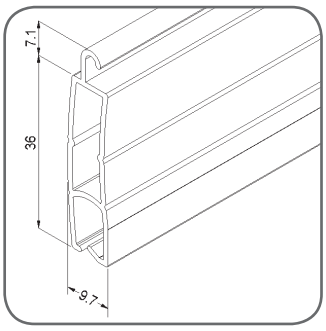
* When used in conjunction with an assist spring as per CW Products specifications.

To place an order please complete the **CW Products Made To Measure Roller Shutter Order Form** available from your CW Products representative.

FireSafe™ Bushfire Rated Roller Shutter

Protects Property And Families!





This roller shutter is ideal for home and business owners who want to protect their property and families from bushfires, because they live in high risk, bushfire prone or wooded, high vegetation, country and semi-rural locations. It is made with a precision extruded roller shutter profile.

Suitable Applications

- Domestic & Commercial Windows.
- Domestic & Commercial Doorways.
- Commercial Shop Fronts.
- Garage Doors.
- High Security & Fire Protection for Factories, Warehouses, Clubs, Pubs & Hotels, Restaurants, Pharmacies, Sports Complexes, Arcades, Shopping Mall Entrances, Mining & High Security Areas.

Features

- Bushfire rated to Bushfire Attack Level (BAL) A40.
- Tested by CSIRO (Report# FSZ1379).
- Complies with Australian Bushfire Construction Standard AS3959-2009 (Clauses 3.7 & 8.5.1).
- Radiant heat shielding properties to 40 kW/m^2.
- High quality, strong aluminium alloy construction.
- Commercial grade double wall extruded profile for heavy duty strength & extreme heat protection.
- High quality powder coated finish for maximum abrasion resistance.
- Double line grooved and slight curved face profile.
- Roll-tight design.
- Range of colours.
- Heavy duty steel axle with high quality internal sealed bearings.
- Suitable for widespan widths up to 5800mm.
- Can be manually operated or motorised (Manual with steel cable up to 5m^2).
- Authentication Plate fitted.
- Made in Australia.

Technical Specifications

Bushfire Attack Level Rating	BAL A40
Maximum Shutter Width	5800mm
Maximum Shutter Height	3000mm
Maximum Surface Area	12m^2
Curtain Weight/Metre^2	7.5kg
Number Of Slats/Metre	28
Profile Slat Covering	36mm
Profile Slat Thickness	9.7mm
Axle Types	Octagonal Steel
Bottom Bar Dimensions	55mm x 8.5mm
Guide Dimensions	68mm x 25mm/14mm (Heavy Duty Guide)
Paint Finish	High Quality Powder Coat Finish

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

Made To Measure Roller Shutters

Pelmet Sizes & Maximum Shutter Height

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height	Axle Size
180mm	50	**1800mm**	60mm
205mm	56	**2020mm**	70mm
230mm	72	**2600mm**	70mm
250mm	90	**3250mm**	70mm
250mm	85	**3050mm**	101mm with adaptor
250mm	72	**2590mm**	130mm with adaptor

Roller Shutter Colour Options

Profiles	Pelmets/Side Frames/ Guides/Bottom Bars
Cream	Cream
Clear Beige	Clear Beige
White	White
Black	Black
Anodised Silver	Powder coated options available (additional charges apply)

Control Options

Manual Options

Steel Cable Winder (Up To 50Kg)

Spring Loaded With Key Lock

Crank Handle With Gear Ace

Motorised Options

Wall Switch With 240V Electric Manual Override Motor

Remote Control With 240V Electric SIMU Hz Manual Override Motor

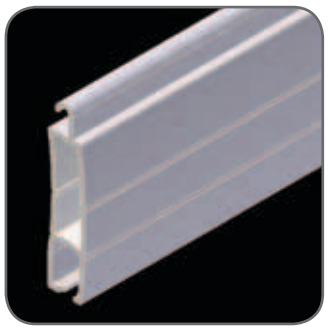
Crank Handle With 240V Electric Manual Override Motor

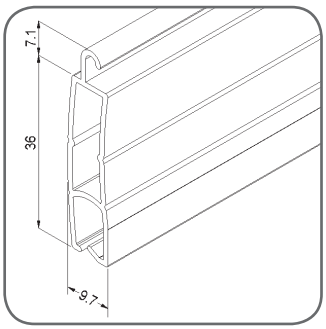
* CW Products recommends that FireSafe Bushfire Rated Roller Shutters shall: a) be fixed to the building and be non-removable; b) when in the closed position, have no gap greater than 3mm between the shutter and the wall, the sill or the head; c) be readily manually operable from either inside or outside; d) protect the entire window assembly or door assembly; e) consist of materials specified in Clauses 5.5.1, 6.5.1, 7.5.1, 8.5.1 and 9.5.1 for the relevant BAL.

To place an order please complete the **CW Products Made To Measure Roller Shutter Order Form** available from your CW Products representative.

CycloneSafe™ Roller Shutter

Protects Property And Families!





This roller shutter is ideal for home and business owners who want to protect their property and families from cyclones, tropical storms and extreme wind coastal weather conditions. It is made with a precision extruded roller shutter profile.

Suitable Applications

- Domestic & Commercial Windows.
- Domestic & Commercial Doorways.
- Commercial Shop Fronts.
- High Security & Storm Protection for Factories, Warehouses, Mining Sites & Camps, Clubs, Pubs & Hotels, Restaurants, Pharmacies, Sports Complexes, Arcades, Shopping Mall Entrances & High Security Areas.

Features

- Cyclone rated up to C4 T5.
- Tested by James Cook University.
- Complies with AS/NZS 1170.2 2011 Cyclone Standard.
- Cyclic loading in accordance with AS 4040.3.
- Fatigue Loading Sequence and design pressure tested in accordance with AS 4055.
- Can be used in all Australian cyclone regions including **Cyclone Region C & D C4** at 1500mm wide.
- High quality, strong aluminium alloy construction.
- Commercial grade double wall extruded profile for heavy duty strength & extreme wind protection.
- Double line grooved and slight curved face profile.
- Roll-tight design.
- Range of colours.
- High quality powder coated finish for maximum abrasion resistance.
- Heavy duty steel axle with high quality internal sealed bearings.
- Suitable for widths up to 2400mm.
- Can be manually operated or motorised (Manual with steel cable up to 5m^2).
- Compatible with SolarSmart™ and PowerSmart™ Roller Shutter Automation.
- Authentication Plate fitted.
- Made in Australia.

Technical Specifications

Cyclone Rating	Up To C4 T5
Maximum Shutter Width	Up To 2400mm
Maximum Shutter Height	Up To 2600mm
Maximum Surface Area	6m^2
Curtain Weight/Metre^2	7.5kg
Number Of Slats/Metre	28
Profile Slat Covering	36mm
Profile Slat Thickness	9.7mm
Axle Types	Octagonal Steel
Bottom Bar Dimensions	55mm x 8.5mm
Guide Dimensions	68mm x 22mm (Heavy Duty Cyclone Guide)
Paint Finish	High Quality Powder Coat Finish

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

Made To Measure Roller Shutters

Pelmet Sizes & Maximum Shutter Height

Winged Slat Locks

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height	Axle Size
180mm	38	**1350mm**	60mm
205mm	46	**1650mm**	70mm
230mm	62	**2300mm**	70mm
250mm	72	**2600mm**	70mm

Roller Shutter Widths & Cyclone Ratings

Shutter Width	Load Test Type	Test Pressure	Cyclone Rating
2400mm	Inward Loading	3.34 kPa	C2
2400mm	Outward Loading	5.49 kPa	C3
2200mm	Inward Loading	3.34 kPa	C2
2000mm	Inward Loading	4.93 kPa	C3
1500mm	Inward Loading	6.66 kPa	C4
1500mm	Outward Loading	7.40 kPa	C4

Roller Shutter Colour Options

Profiles	Pelmets/Side Frames/ Guides/Bottom Bars
Cream	Cream
Clear Beige	Clear Beige
White	White
Black	Black
Anodised Silver	Powder coated options available (additional charges apply)

To place an order please complete the **CW Products Made To Measure Roller Shutter Order Form** available from your CW Products representative.

Control Options

Manual Options

Steel Cable Winder (Up To 50Kg)

Spring Loaded With Key Lock

Motorised Options

Remote Control With SolarSmart™ Automation 12V Motor (Up To 50Kg)

PowerSmart™ Control System With 12V Motor (Up To 50Kg)*

Wall Switch With 240V Electric Motor

Remote Control With 240V Electric SIMU Hz Motor

Motorised Options (continued)

Key Switch With 240V Electric Motor

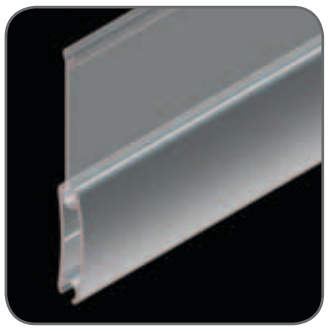
Crank Handle With 240V Electric Manual Override Motor

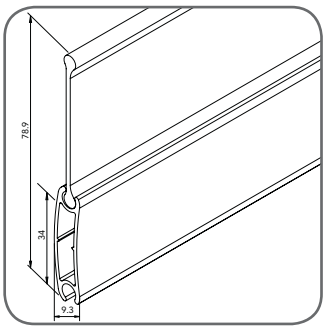
S-05 Remote Control (Key Ring Transmitter) With 240V Electric Motor & Multi-Function S-05 Radio Receiver & Control Unit

* When used in conjunction with an assist spring as per CW Products specifications.

EasyView™ Roller Shutter

Brings The Outdoors Indoors!





This roller shutter system is made with a combination of a precision extruded aluminium profile and a transparent, UV resistant polycarbonate profile, which provides added security and permanent views of the outdoors. It is suitable for many domestic and commercial applications.

Suitable Applications

- Domestic Verandah & Patio Enclosures.
- Terrace Restaurants & Cafes.
- Internal Separation Barriers.
- Counter Tops/Serveries.
- Shopping Centre Grilles.

Features

- High quality, strong aluminium alloy and polycarbonate construction.
- Commercial grade double wall extruded profile for heavy duty strength.
- UV resistant polycarbonate profile.
- High quality powder coated finish for maximum abrasion resistance.
- Roll-tight design.
- Range of colours.
- Heavy duty steel axle with high quality internal sealed bearings.
- Fully retractable into an enclosed pelmet.
- Suitable for widespan widths up to 4400mm.
- Can be manually operated or motorised.
- Made in Australia.

* CW Products recommends the use of Photo Safety Cells when installing automated roller shutters over openings and doorways. Especially when the roller shutter is not in full view of the operator (eg. when using a remote control or wall switch positioned away from the roller shutter and out of view). When using a wall switch, we recommend a spring return switch/deadman switch.

Note: EasyView is suitable for internal & external use in low to medium wind environments. For high wind applications exceeding 25 km/h please consult a professional engineer to determine suitability or contact your CW Products representative. The EasyView product warranty does not cover excessive wind damage.

Technical Specifications

Maximum Shutter Width	4400mm
Maximum Shutter Height	3000mm
Maximum Surface Area	10m²
Curtain Weight/Metre²	6kg
Number Of Slats/Metre	28 (combined aluminium & polycarbonate slats)
Profile Slat Covering	34mm Aluminium/38mm Polycarb
Profile Slat Thickness	9.3mm Aluminium/4mm Polycarb
Axle Types	Octagonal Aluminium or Steel
Bottom Bar Dimensions	60mm x 9mm
Guide Dimensions	68mm x 25mm/14mm (Heavy Duty Guide)
Paint Finish	High Quality Powder Coat Finish

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

Made To Measure Roller Shutters

Pelmet Sizes & Maximum Shutter Height

Winged Slat Locks

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height	Axle Size
205mm	42	**1600mm**	101mm with adaptor
230mm	62	**2300mm**	101mm with adaptor
250mm	76	**2800mm**	101mm with adaptor
300mm	86	**3200mm**	101mm with adaptor

Wind Speeds & Maximum Shutter Width

Wind Speed	Max. Shutter Width	Max. Surface Area
11.2m/sec	**4400mm**	13.23m^2
13m/sec	**3520mm**	10.56m^2
15.8m/sec	**3060mm**	9.18m^2
20.4m/sec	**2670mm**	8.01m^2

Roller Shutter Colour Options

Profiles	Pelmets/Side Frames/ Guides/Bottom Bars
Cream	Cream
Clear Beige	Clear Beige
White	White
Black	Black
Anodised Silver	Powder coated options available (additional charges apply)
Clear Polycarbonate	
Tinted Polycarbonate	

Control Options

Manual Options

Steel Cable Winder (Up To 50Kg)*

Spring Loaded With Key Lock

Motorised Options

Remote Control With SolarSmart™ Automation 12V Motor (Up To 50Kg)

PowerSmart™ Control System With 12V Motor (Up To 50Kg) †*

Wall Switch With 240V Electric Motor*

Remote Control With 240V Electric SIMU Hz Motor

Motorised Options (continued)

Key Switch With 240V Electric Motor

Crank Handle With 240V Electric Manual Override Motor

S-05 Remote Control (Key Ring Transmitter) With 240V Electric Motor & Multi-Function S-05 Radio Receiver & Control Unit

† When used in conjunction with an assist spring as per CW Products specifications.

* Control options must be installed in an indoor environment.

To place an order please complete the **CW Products Made To Measure Roller Shutter Order Form** available from your CW Products representative.

SIMU Hz Radio System & Remote Controls

SIMU-Hz Radio System

World Leaders In Automation Solutions!

When considering an automation solution, you just can't roll past SIMU's Hz Radio System and range of Remote Controls.

Exclusively distributed in Australasia by CW Products, we offer a wide range of SIMU motors, transmitters and automatic devices using SIMU Hz Radio Remote Control Technology.

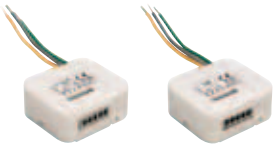
Often described as a world leader in automation solutions, this SIMU technology has been proving itself in the automation industry for over 10 years and its quality is recognised globally as the standard for reliability in radio remote control motorisation.

The SIMU Hz Radio Remote Control System is a safe and reliable, open-ended, hierarchical control system.

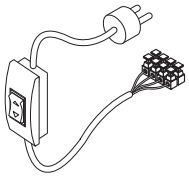
SIMU Hz Radio Controls & Accessories

Description	Product Code	
SIMU Color + Hz Wall Transmitter		
White	**41-999-402**	
Metallic Grey	**41-999-403**	
Anthracite	**41-999-404**	
Mocha	**41-999-405**	
Blackcurrant	**41-999-406**	
Blue	**41-999-407**	
SIMU Color + 1 Channel Transmitter		
White	**41-999-408**	
Metallic Grey	**41-999-409**	
Anthracite	**41-999-410**	
Mocha	**41-999-411**	
Blackcurrant	**41-999-412**	
Blue	**41-999-413**	
SIMU Color + 5 Channel Transmitter		
White	**41-999-414**	
Metallic Grey	**41-999-415**	
Anthracite	**41-999-416**	
Mocha	**41-999-417**	
Blackcurrant	**41-999-418**	
Blue	**41-999-419**	

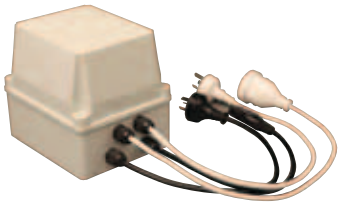
SIMU Hz Radio Controls & Accessories

Description	Product Code	
SIMU Color Multi 16 Channel Transmitter		
White	**41-999-364**	
Grey	**41-999-366**	
SIMU Timer Easy 1 Channel Transmitter		
White	**41-999-381**	
Grey	**41-999-382**	
SIMU Timer Multi 6 Channel Transmitter		
White	**41-999-370**	
Grey	**41-999-361**	
SIMU Hz Dry Contact Transmitter		
	41-999-365	
SIMU Hz Sequential Transmitter		
* Must be programmed in conjunction with a standard Hz Transmitter	**41-999-265**	
SIMU TSA+ Hz 4 Channel Key Ring Transmitter		
The TSA+ Hz 4 Channel Key Ring Transmitter gives the opportunity to control up to 4 motors * Must be programmed in conjunction with a standard Hz Transmitter	**41-999-371**	
SIMU SA Hz Digicode Wireless Key Pad		
* Must be programmed in conjunction with a standard Hz Transmitter	**41-999-156**	
SIMU Hz Sun Sensor		
* Delivered with suction cup	**41-999-380**	
SIMU Hz Micro Receiver		
For Roller Shutters	**41-999-392**	
For Lighting	**41-999-393**	

240 Volt Switch Mechanisms

Description	Product Code	
Clipsal 39M 3 Position Toggle Switch		
	41-999-314	
Clipsal Series 2000 Switch Plate		
1 Gang	**41-999-351**	
2 Gang	**41-999-352**	
3 Gang	**41-999-353**	
4 Gang	**41-999-354**	
CW Products 3 Position Rocker Switch – P1		
Switch Mechanism Only	**41-999-327**	
Switch Mechanism + Vertical Plate	**41-999-004**	
Switch Mechanism + Horizontal Plate	**41-999-005**	
SIMU Universal Anti Burglar Key Switch		
	41-999-315U	
SIMU Relay For Controlling Motors With Multiple Switches		
	41-999-325	
CW Products Spring Return/Deadman Rocker Switch		
Switch Mechanism Only	**41-600-101**	
Switch Mechanism + Vertical Plate	**41-999-006**	
Switch Mechanism + Horizontal Plate	**41-999-007**	
SIMU Standard Motor Limit Adjustment Switch		
	41-999-255	

UPS Battery Back Up System & Accessories

Description	Product Code	
240V UPS ECO PRO Battery Back Up For use with 240V standard switch operated motors. No relay is required. 1000 VA 1400 VA	 **41-999-701** **41-999-702**	
240V UPS PRO Battery Back Up For use with 240V SIMU Hz systems or other 240V systems with integrated radio receivers. CW Products Relay For UPS (41-999-704) must be used with this product. 1000 VA 1400 VA	 **41-999-700** **41-999-705**	
CW Products Relay For UPS	 **41-999-704**	

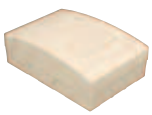
S-05 External Radio Receiver & Control Unit

For Commercial Roller Shutter & Garage Door Applications

The S-05 External Radio Receiver and Control Unit is designed to give flexibility and various additional options for the control of commercial roller shutters and garage doors. Quick and easy to program the S-05 features an inbuilt radio receiver providing remote control functionality from a stylish 2 channel or 4 channel key ring transmitter. This control unit also features a dry contact input, allowing for integration with other control systems such as alarm and fire systems, as well as the ability to work in conjunction with other automations. Safety devices including photocells and safety edges can also be wired in, giving ultimate functionality and safety. This system features several programmable operating modes including sequential and dead man operating modes, as well as an automatic closing function and adjustable running times. A courtesy/blinking light can also be wired into the S-05.

Technical Specifications

Power Supply	240V
Power Output	12V
Radio Remote Frequency	422.4Mhz
Radio Remote Range	200m in free field

Description	Product Code	
240V S-05 Radio Receiver & Control Unit	**41-999-281**	
2 Channel Key Ring Transmitter For S-05	**41-999-391**	
4 Channel Key Ring Transmitter For S-05	**41-999-401**	
Photocells For S-05	**41-999-222**	

Suitable Applications

- Commercial Windows.
- Commercial Doorways.
- Commercial Shop Fronts.
- Garage Doors.

Features

- Ultimate remote control operation with many functions.
- Dry contact input.
- 12V output to wire in safety devices including photocells and safety edges.
- Several programming modes including sequential and dead man operation.
- Automatic and semi-automatic operating modes.
- Easy wiring.
- Sturdy and stylish box.
- Ability to wire in courtesy/blinking light.

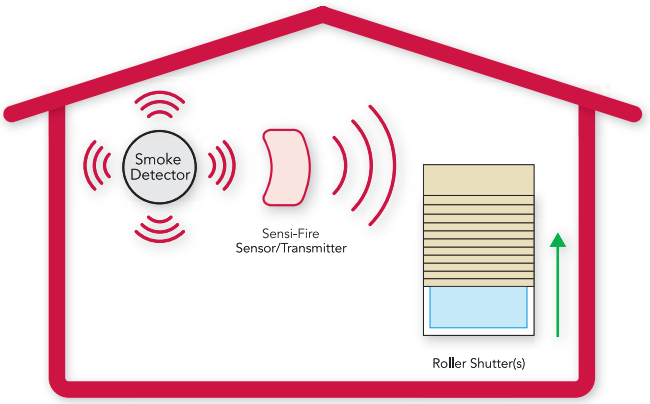
Sensi-Fire™ Wireless Shutter Safety System

Automatically Opens Roller Shutters In The Event Of Fire!

Sensi-Fire™ is an innovative, wireless DC battery, safety back-up system that automatically opens roller shutters in the event of a fire, helping protect human life. Crucial to fire safety, no domestic or commercial building with roller shutters should be without Sensi-Fire™. Totally independent of mains power, the Sensi-Fire™ Wireless unit is installed in close proximity to a smoke detector. When the smoke detector is activated, Sensi-Fire™ picks up the audio signal and instantly transmits a radio signal, in turn automatically opening all of the programmed roller shutters, allowing escape routes in and out. (1 unit can operate multiple shutters).

Sensi-Fire™ is also compatible with SolarSmart™ and PowerSmart™ Roller Shutter Automation.

Sensi-Fire™ At A Glance



Installation Requirements: The Sensi-Fire Wireless receiver/ transmitter must be positioned within 500mm of a working smoke detector that meets Australian Standards.

Suitable Applications

- Domestic & Commercial Windows.
- Domestic & Commercial Doorways.
- Commercial Shop Fronts.
- Garage Doors.

Features

- Increased safety for human life.
- Completely wireless system.
- Easy & quick to install and program.
- Remote control operated.
- Designed in Australia.

* Compatible with 12V SolarSmart & PowerSmart Roller Shutter Automation.

Technical Specifications

Battery Size	2 x AA 1.5V
Power Supply	3V
Radio Remote Frequency	433.4Mhz
Radio Remote Range	200m in free field

Description	Product Code
Sensi-Fire™ Wireless Shutter Safety System	**41-500-190**

General Note: All dimensions and colours are indicative only and may change without notice.

PowerSmart™ Control System

For Faster, Easier & Smarter Automation!

PowerSmart™ is a unique and technologically advanced low voltage roller shutter control system with a built-in radio receiver and removable, rechargeable battery.

PowerSmart™ is an easier and smarter way to power roller shutters and other window furnishings with big battery capacity.

Suitable Applications

- Domestic & Commercial Windows.
- Domestic & Commercial Doorways.
- Commercial Shop Fronts.

Features

- All-in-one 12V control system & battery.
- Built-in radio receiver & rechargeable battery.
- Completely independent of mains power.
- Easy & quick to install.
- No need for electricians.
- Removable & rechargeable Lithium Ion battery.
- Recharge LED warning light.
- Easy to recharge like a mobile phone.
- Stylish design & easy to use controller.
- Remote control options available.
- Compatible with Sensi-Fire™ Wireless.
- 5 year Guarantee on motor.
- 1 year Guarantee on battery & controller.
- Designed in Australia.

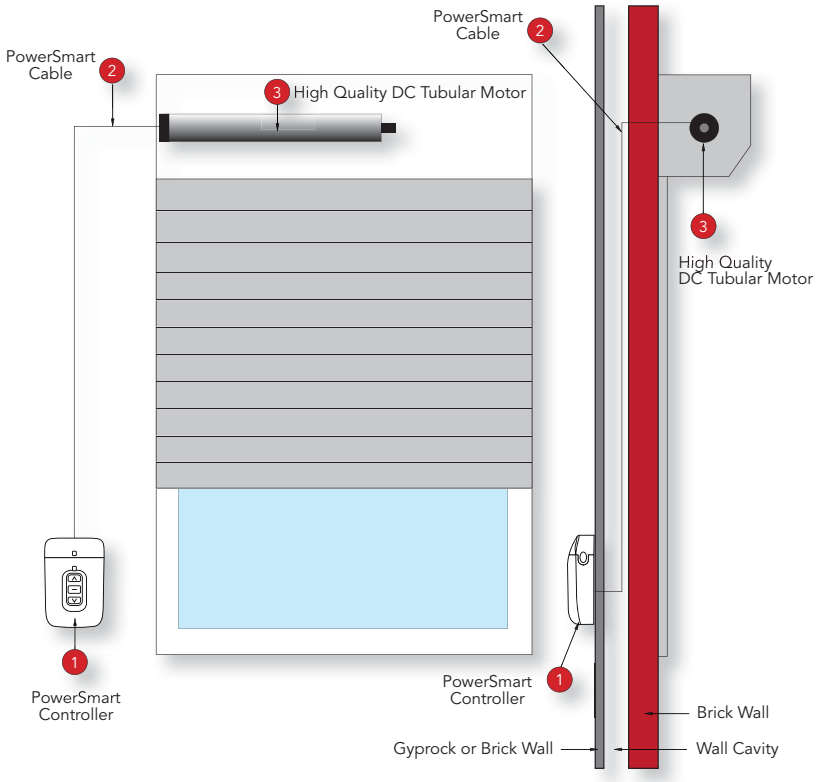
Technical Specifications

Minimum Shutter Width	500mm
Maximum Shutter Weight	32kg
PowerSmart Unit Size	84mm x 126mm x 37mm
Power Supply	12V
Battery Charge Time	3 hours approx
Fully Charged Expected Cycles	45-50 Cycles (average shutter)
Radio Remote Frequency	433.4Mhz
Radio Remote Range	200m in free field

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

Roller Shutter Automation Systems

PowerSmart™ At A Glance



1. PowerSmart Controller With Built-In Radio Receiver & Removable Battery
2. PowerSmart Cable
3. PowerSmart 12V DC Tubular Motor

Two Remote Control Options

Transmitters are powered by a 3 Volt Lithium button battery.

1 Channel Transmitter

6 Channel Transmitter

Controller & Rechargeable Battery Pack

The PowerSmart™ system includes a controller, removable battery and PowerSmart™ charger.

Controller With Built-In Radio Receiver

Removable, Rechargeable Battery

Charger

Assembled Controller & Battery

* PowerSmart controllers must be installed in an indoor environment (for internal use only).

Replacement PowerSmart™ Batteries

Replacement PowerSmart™ Lithium Ion batteries are available.

Description	Product Code
PowerSmart™ Lithium Ion Battery	**41-800-200**

Additional PowerSmart™ Chargers

Additional PowerSmart™ 12V Chargers are available.

Description	Product Code
PowerSmart™ 12V Charger	**41-800-300**

To place an order please complete the **CW Products Made To Measure Roller Shutter Order Form** available from your CW Products representative.

SolarSmart™ Roller Shutter Automation

A Greener And Smarter Way To Automate Roller Shutters!

SolarSmart™ is a greener and smarter way to automate roller shutters. It is the most advanced technology in solar powered roller shutter automation in Australasia. Independent of mains power and with no hard wiring, SolarSmart™ harnesses the sun's energy through solar cells (ideally positioned on the roof facing north, and in direct sunlight), which charges a concealed battery system that in turn powers a DC motor for automation. The SolarSmart™ system is controlled via a specialised wireless remote control transmitter.

SolarSmart™ offers an easier, more cost effective, environmental and efficient way to operate roller shutters, and is a much easier way to install motorised roller shutters.

Technical Specifications

Maximum Surface Area	12m² roll formed profile 7.5m² extruded profile
Minimum Shutter Width	500mm
Maximum Shutter Weight	50kg
Maximum Axle Diameter	Octagonal 70mm
Solar Panel Size	475mm x 75mm x 18mm
Battery Size	450mm x 28mm
Power Supply	12V
Radio Remote Frequency	433.4Mhz
Radio Remote Range	200m in free field

Suitable Applications

- Domestic & Commercial Windows.
- Domestic & Commercial Doorways.
- Commercial Shop Fronts.

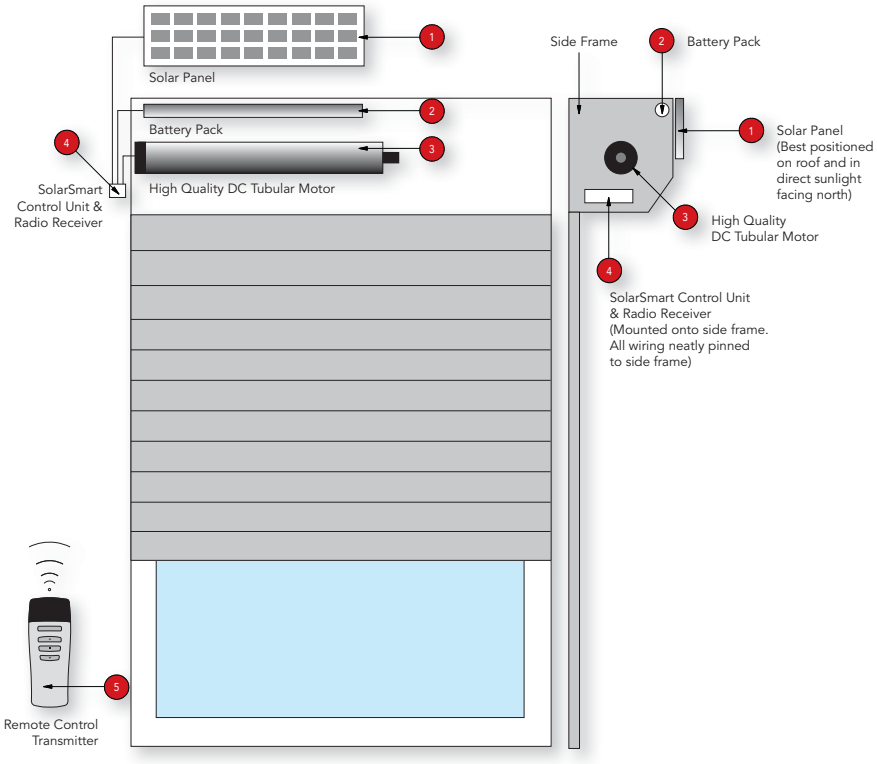
Features

- Completely solar powered.
- Green energy.
- Environmentally friendly.
- Saves money on energy costs.
- No drilling or 240V hard wiring.
- Easy & quick to install.
- No need for electricians.
- Completely integrated system with concealed battery in shutter pelmet.
- Sleek amorphous Solar Panel.
- Remote control operated.
- Smooth electronic operation.
- Choice of profile colours.
- Compatible with Sensi-Fire™ Wireless.
- 5 year Guarantee on motor.
- 1 year Guarantee on solar panel, battery & electronics.
- Designed in Australia.

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

Roller Shutter Automation Systems

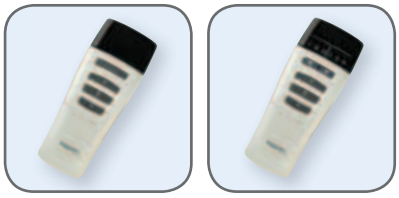
SolarSmart™ At A Glance



1. SolarSmart 60mA Solar Panel
2. SolarSmart 12V DC NiMH Rechargeable Battery Pack
3. SolarSmart 12V DC Tubular Motor
4. SolarSmart 12V Control Unit & Radio Receiver
5. CW Maxim Radio Transmitter

Two Remote Control Options

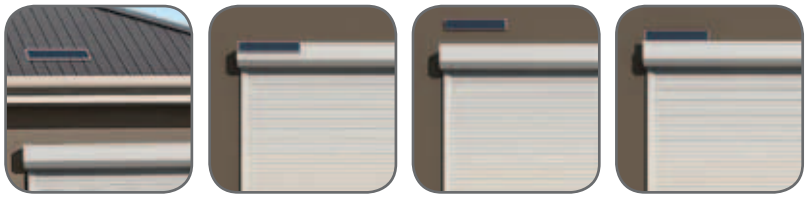
Transmitters are powered by a 3 Volt Lithium button battery.



1 Channel Transmitter | 6 Channel Transmitter

Four Solar Panel Position Options

SolarSmart™ Solar Panels are best positioned on the roof (facing north and in direct sunlight) for optimum performance. The solar panels are an aluminium framed amorphous type with excellent power output even in cloudy conditions. Solar panels are supplied with two brackets. All wires must be protected from UV radiation and weather with all drill holes well sealed. The SolarSmart™ Battery Pack may require future maintenance and/or replacement. This should be considered in difficult to reach applications like on the second storey of a building.



Roof Mounted Solar Panel | Solar Panel to Pelmet* | Solar Panel to Wall* | Angled Solar Panel*

* Solar panels are only to be positioned on or above the roller shutter if in direct sunlight and facing north, with a minimum of half a day of sunlight in both Summer and Winter. Otherwise for optimum performance, solar panels should be positioned on the roof in direct sunlight and facing north where possible. If not enough direct sunlight, you may require two solar panels to power the roller shutter, or you may need to move the solar panels to a north facing or ideal position, with available extension cables.

To place an order please complete the **CW Products Made To Measure Roller Shutter Order Form** available from your CW Products representative.

SolarSmart™ Accessories

Solar Panel Extension Cables

Extension cables are available for solar panels positioned away from the roller shutter eg. Roof Mounted.

Description	Product Code
3 Metre	41-500-185
5 Metre	41-500-186
10 Metre	41-500-187

SolarSmart™ Testing Unit

A SolarSmart™ Testing Unit is available to help identify if your SolarSmart™ installation is correct. Includes fault finding, isolate & test all components functions.

Description	Product Code
SolarSmart™ Testing Unit	41-500-108

SolarSmart™ Antenna

SolarSmart™ Antennas are available.

Description	Product Code
SolarSmart™ Antenna	41-500-180

SolarSmart™ Trickle Charger

SolarSmart™ Power Supply/Trickle Chargers are available.

Description	Product Code
SolarSmart™ 18V Power Supply/ Trickle Charger	41-999-120-18

SolarSmart™ Trickle Charger Loom

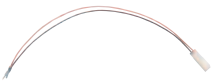
SolarSmart™ Trickle Charger Looms are available.

Description	Product Code
SolarSmart™ Trickle Charger Loom	41-500-181

SolarSmart™ Trickle Charger Sub Cable

SolarSmart™ Trickle Charger Sub Cables are available.

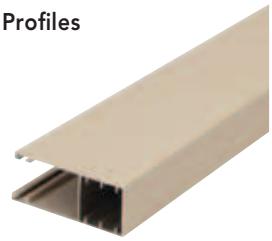
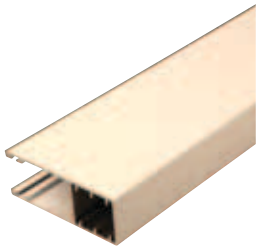
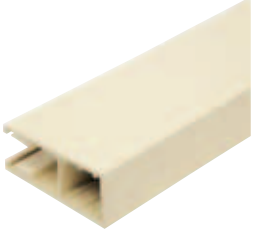
Description	Product Code
SolarSmart™ Trickle Charger Sub Cable	41-500-182



Angles, Flashings & Tubes

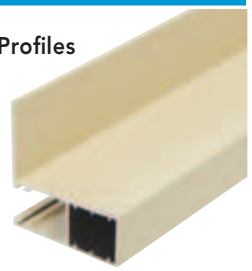
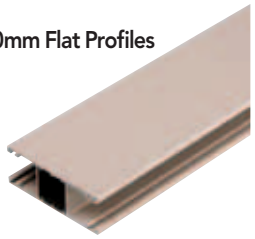
Description	Product Code	Unit Length (Order To Measure)	
CW Products Bay Window Flashing			
Cream	21-490-101	1 x 2.4m	
Magnolia Cream	21-490-114	1 x 2.4m	
Clear Beige	21-490-102	1 x 2.4m	
White	21-490-103	1 x 2.4m	
Brown	21-490-105	1 x 2.4m	
Black	21-490-110	1 x 2.4m	
CW Products 25mm x 25mm x 1.6mm Angle			
Cream	21-425-101	1 x 5.8m	
Magnolia Cream	21-425-114	1 x 5.8m	
Clear Beige	21-425-102	1 x 5.8m	
White	21-425-103	1 x 5.8m	
Brown	21-425-105	1 x 5.8m	
Black	21-425-110	1 x 5.8m	
Woodland Grey	21-425-115	1 x 5.8m	
CW Products 25mm x 50mm x 1.6mm Angle			
Cream	21-450-101	1 x 5.8m	
Magnolia Cream	21-450-114	1 x 5.8m	
Clear Beige	21-450-102	1 x 5.8m	
White	21-450-103	1 x 5.8m	
Brown	21-450-105	1 x 5.8m	
Black	21-450-110	1 x 5.8m	
Woodland Grey	21-450-115	1 x 5.8m	
CW Products 25mm x 70mm x 1.6mm Angle			
Cream	21-470-101	1 x 5.8m	
Magnolia Cream	21-470-114	1 x 5.8m	
Clear Beige	21-470-102	1 x 5.8m	
White	21-470-103	1 x 5.8m	
Brown	21-470-105	1 x 5.8m	
Black	21-470-110	1 x 5.8m	
Woodland Grey	21-470-115	1 x 5.8m	
CW Products 40mm x 40mm Square Tube			
Mill Finish	21-480-100	1 x 6.5m	
CW Products 50mm x 50mm Square Tube			
Mill Finish	21-480-101	1 x 6.5m	

Guides

Description	Product Code	Unit Length (Order To Measure)	
CW Products 53mm x 22mm Guide Without Rubber For 42mm Single/Double Line & 40mm Flat Profiles			
Cream	21-119-093	1 x 5.8m	
Magnolia Cream	21-114-193	1 x 5.8m	
Clear Beige	21-102-193	1 x 5.8m	
White	21-103-257	1 x 5.8m	
Brown	21-105-431	1 x 5.8m	
Black	21-110-100	1 x 5.8m	
Mill Finish	21-116-693	1 x 5.8m	
Woodland Grey	21-115-101	1 x 5.8m	
CW Products 68mm x 22mm/15mm Guide Without Rubber For 42mm Single/Double Line & 40mm Flat Profiles			
Cream	21-101-007	1 x 5.8m	
Clear Beige	21-102-127	1 x 5.8m	
White	21-103-127	1 x 5.8m	
Brown	21-105-127	1 x 5.8m	
Black	21-110-127	1 x 5.8m	
Anodised Silver	21-111-127	1 x 5.8m	
CW Products 68mm x 25mm/14mm Heavy Duty Guide For 36mm Extruded Profile With Or Without Wing Lock			
Cream	21-101-124	1 x 5.8m	
Clear Beige	21-102-194	1 x 5.8m	
White	21-103-258	1 x 5.8m	
Black	21-110-124	1 x 5.8m	
Anodised Silver	21-111-531	1 x 5.8m	
CW Products 68mm x 25mm/18mm Guide For 55mm Widespan & 50mm Extruded Vision Profiles			
Cream	21-101-126	1 x 5.8m	
Clear Beige	21-102-196	1 x 5.8m	
White	21-103-256	1 x 5.8m	
Black	21-110-532	1 x 5.8m	
Anodised Silver	21-111-532	1 x 5.8m	
CW Products 68mm x 22mm Heavy Duty Cyclone Guide For CycloneSafe™ Roller Shutters			
Cream	21-101-005	1 x 5.8m	
Clear Beige	21-102-125	1 x 5.8m	
White	21-103-125	1 x 5.8m	
Black	21-110-005	1 x 5.8m	
Anodised Silver	21-111-125	1 x 5.8m	
CW Products 105mm x 37mm/26mm Guide For 77mm Widespan Profile			
White	21-103-128	1 x 5.8m	
Brown	21-105-128	1 x 5.8m	

Installation Accessories

Guides

Description	Product Code	Unit Length (Order To Measure)	
CW Products 60mm x 22mm Guide With 41mm Front Flange For 42mm Single/Double Line & 40mm Flat Profiles			
Cream	21-101-006	1 x 5.8m	
Clear Beige	21-102-006	1 x 5.8m	
White	21-103-006	1 x 5.8m	
Brown	21-105-006	1 x 5.8m	
Black	21-110-006	1 x 5.8m	
Anodised Silver	21-111-006	1 x 5.8m	
CW Products 79mm x 22mm Double Centre Guide (Split Shutters) Without Rubber For 42mm Single/Double Line & 40mm Flat Profiles			
Cream	21-101-120	1 x 5.8m	
Clear Beige	21-102-190	1 x 5.8m	
White	21-103-245	1 x 5.8m	
Brown	21-105-425	1 x 5.8m	

Bottom Bar Support

Description	Product Code	Unit Length (Order To Measure)	
CW Products 55mm Bottom Bar Foot Without Rubber			
Cream	21-101-110	1 x 5m	
Clear Beige	21-102-160	1 x 5m	
White	21-103-220	1 x 5m	
Anodised Silver	21-111-530	1 x 5m	

Brackets

Description	Product Code	Pack Quantity	
Bay Window Bracket (Adjustable)			
	31-999-171	1	
Corner Window Bracket (Adjustable)			
	31-999-170	1	
Flat Bracket (Adjustable)			
	31-999-172	1	

Key Lock Options For Spring Loaded Shutters

Description	Product Code

CW Products 55mm Bottom Bar For Sliding/Key Lock (Standard) For Spring Loaded Shutters

Cream	21-119-086
Magnolia Cream	21-114-186
Clear Beige	21-102-186
White	21-103-238
Anodised Silver	21-111-002
Woodland Grey	21-115-186

* Supplied standard with chrome 'D' handle on bottom bar. Specify key lock requirement when ordering

Key Lock Entry On Front Of Shutter

CW Products 55mm Bottom Bar For Sliding/Key Lock (Reverse) For Spring Loaded Shutters

Cream	21-119-089
Magnolia Cream	21-114-188
Clear Beige	21-102-188
White	21-103-239
Anodised Silver	21-111-001
Woodland Grey	21-115-188

* Supplied standard with chrome 'D' handle on bottom bar. Specify key lock requirement when ordering

Key Lock Entry On Back Of Shutter

CW Products 47mm Intermediate Slat Or Bottom Bar For Sliding/Key Lock (Standard) For Spring Loaded Shutters

Cream	21-101-011
Clear Beige	21-102-011
White	21-103-011
Anodised Silver	21-111-011

* Supplied standard with recessed dip handle on intermediate slat. Specify location of handles and key lock requirement when ordering

Key Lock Entry On Front Of Shutter

CW Products 47mm Intermediate Slat Or Bottom Bar For Sliding/Key Lock (Reverse) For Spring Loaded Shutters

Cream	21-101-011
Clear Beige	21-102-011
White	21-103-011
Anodised Silver	21-111-011

* Supplied standard with recessed dip handle on intermediate slat. Specify location of handles and key lock requirement when ordering

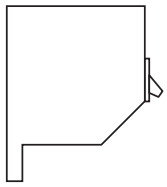
Key Lock Entry On Back Of Shutter

Control Options For Manual Override Shutters

Description	Product Code	Pack Quantity

Universal Joint Manual Override System - Front Entry

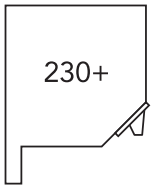
For All Pelmet Sizes — **Specify Manual Override Option When Ordering**



* Universal Joint supplied with 2 mounting holes.

Universal Joint Manual Override System - Front 3/4 Entry

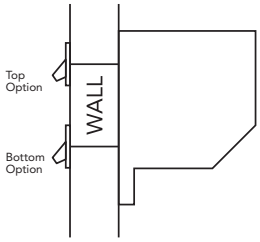
For 230mm, 250mm & 300mm Pelmets — **Specify Manual Override Option When Ordering**



* Universal Joint supplied with 2 mounting holes.

Universal Joint Manual Override System - Reverse Entry

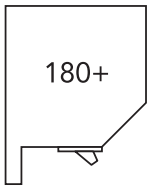
For All Pelmet Sizes — **Specify Manual Override Option When Ordering**



* Universal Joint supplied with 2 or 4 mounting holes.

Universal Joint Manual Override System - Bottom Entry

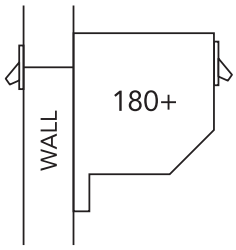
For 180mm, 205mm, 230mm, 250mm & 300mm Pelmets — **Specify Manual Override Option When Ordering**



* Universal Joint supplied with 2 mounting holes.

Universal Joint Manual Override System - Dual Control (Reverse & Top Front Entry)

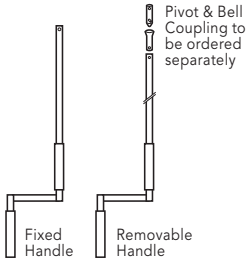
For 180mm, 205mm, 230mm, 250mm & 300mm Pelmets — **Specify Manual Override Option When Ordering**



* Reverse Universal Joint supplied with 2 or 4 mounting holes.
Front Universal Joint supplied with 2 mounting holes.

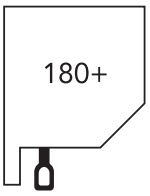
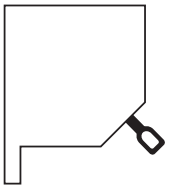
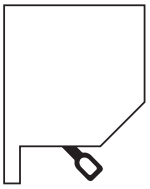
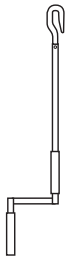
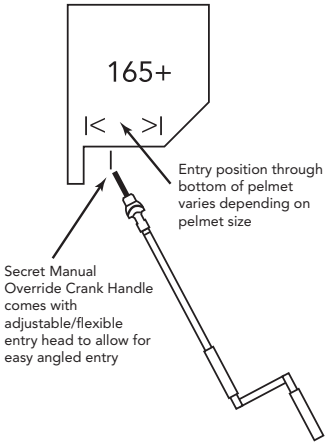
Nickel Plated Crank Handle For Use With Universal Joint

Fixed Handle Option	**23-104-255**	**1**
Removable Handle Option	**23-104-255**	**1**
Pivot For Universal Joint*	**23-999-546**	**1**
Bell Coupling For Universal Joint*	**23-999-440**	**1**



* Pivot & Bell Coupling to be ordered separately with removable handle option.

Control Options For Manual Override Shutters

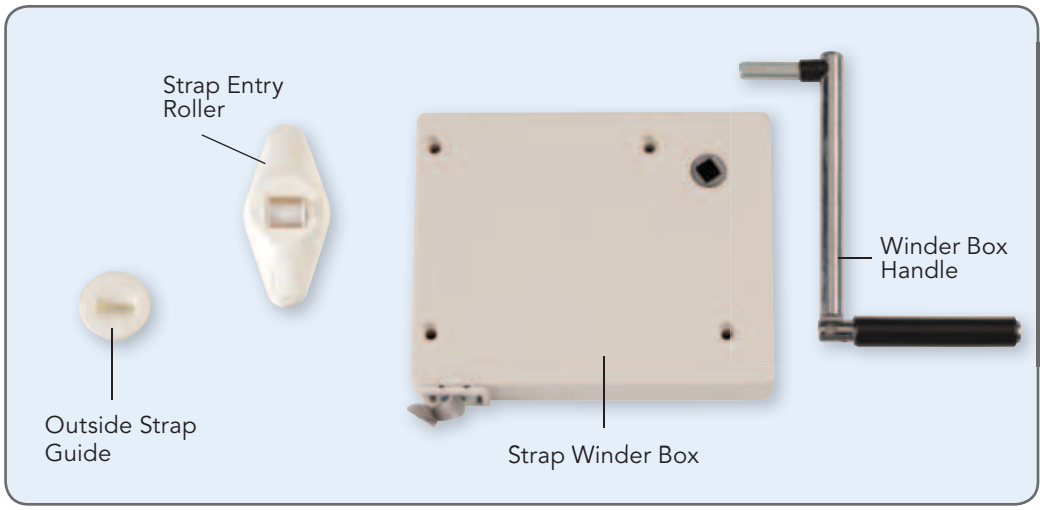
Description	Product Code	Pack Quantity	
Eyelet Manual Override System - Straight Bottom Entry			
For 180mm, 205mm, 230mm, 250mm & 300mm Pelmets	**Specify Manual Override Option When Ordering**		
Eyelet Manual Override System - Front 3/4 Entry			
For All Pelmet Sizes	**Specify Manual Override Option When Ordering**		
Eyelet Manual Override System - Angled Bottom Entry			
For All Pelmet Sizes	**Specify Manual Override Option When Ordering**		
Crank Handle With Hook For Use With Eyelet			
L = 160cm	**23-999-521**	**1**	
Secret Manual Override System - Bottom Entry Only			
For 165mm, 180mm, 205mm, 230mm, 250mm & 300mm Pelmets	**Specify Manual Override Option When Ordering**		
Crank Handle For Use With Secret Manual Override System			
	23-999-522	**1**	

Control Kit Component Summaries

Strap Winder Control Kits

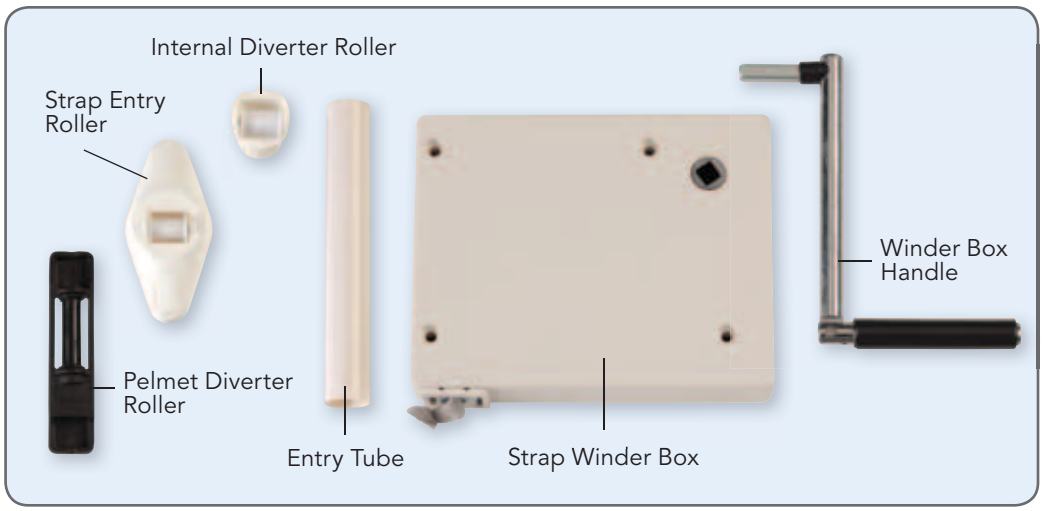
The following components are included in all strap winder control kits for made to measure roller shutters.

Face Fit



Product Code
40-100-101

Reveal Fit

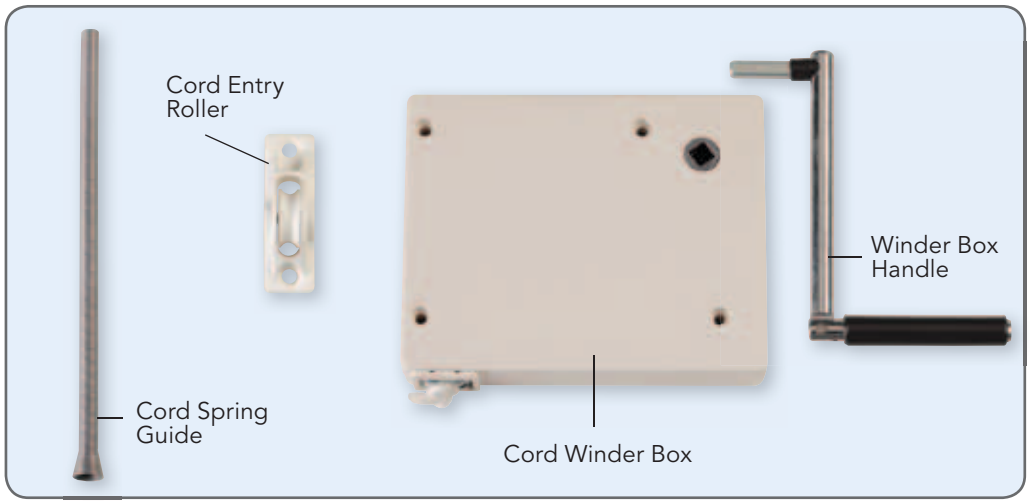


Product Code
40-100-103

Cord Winder Control Kits

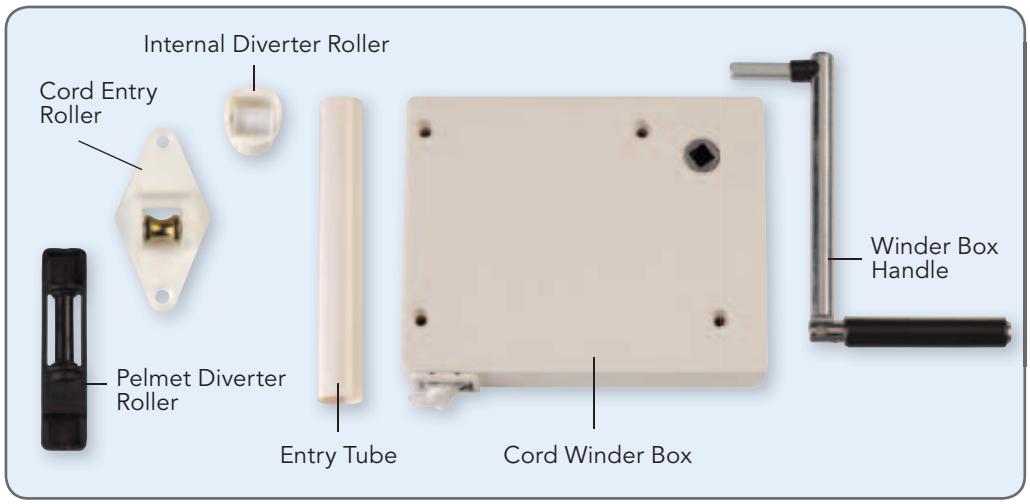
The following components are included in all cord winder control kits for made to measure roller shutters.

Face Fit



Product Code
40-100-100

Reveal Fit



Product Code
40-100-102

Steel Cable Winder Control Kit

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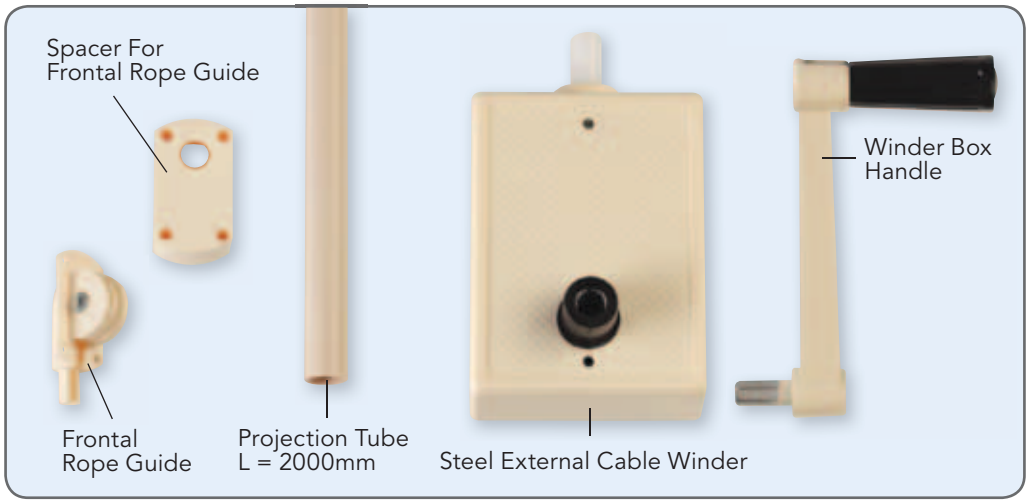
Face Fit Only

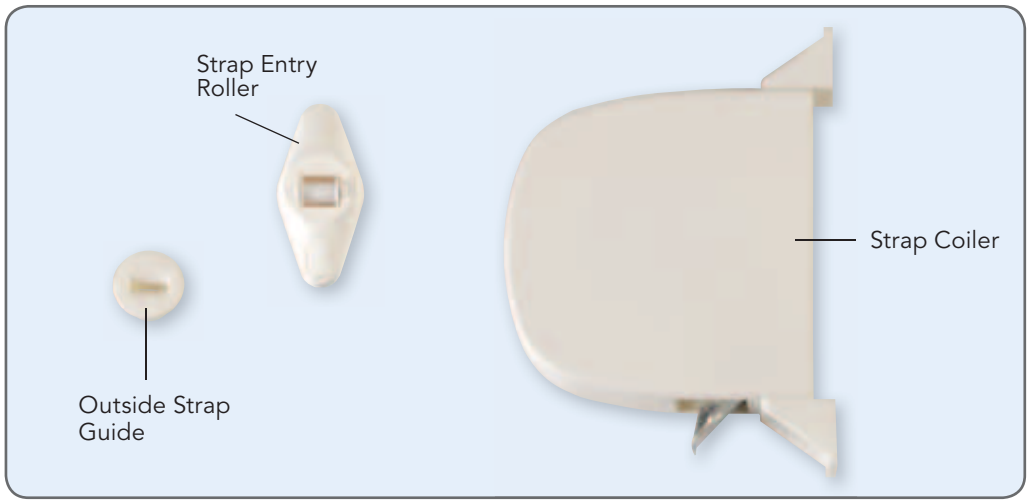


Product Code
40-100-108

Strap Coiler Control Kits

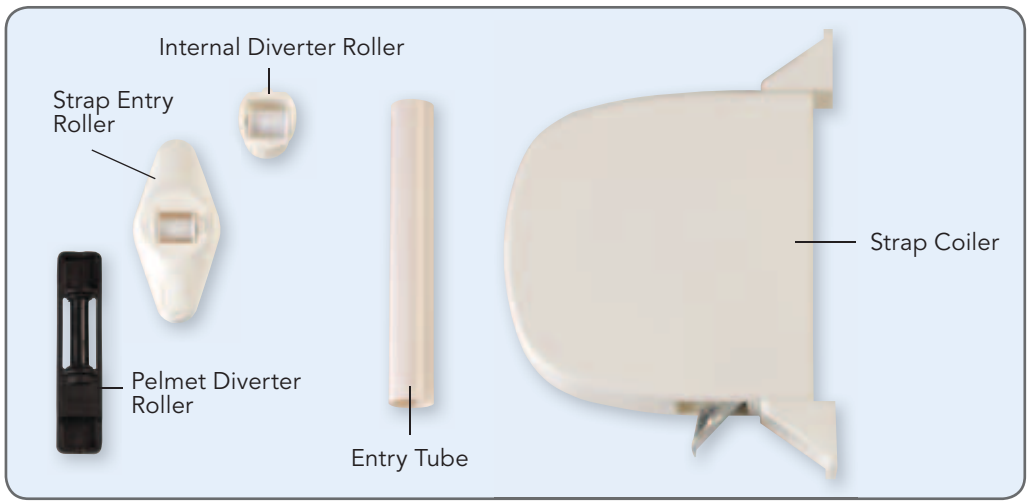
The following components are included in all strap coiler control kits for made to measure roller shutters.

Face Fit



Product Code
40-100-104

Reveal Fit

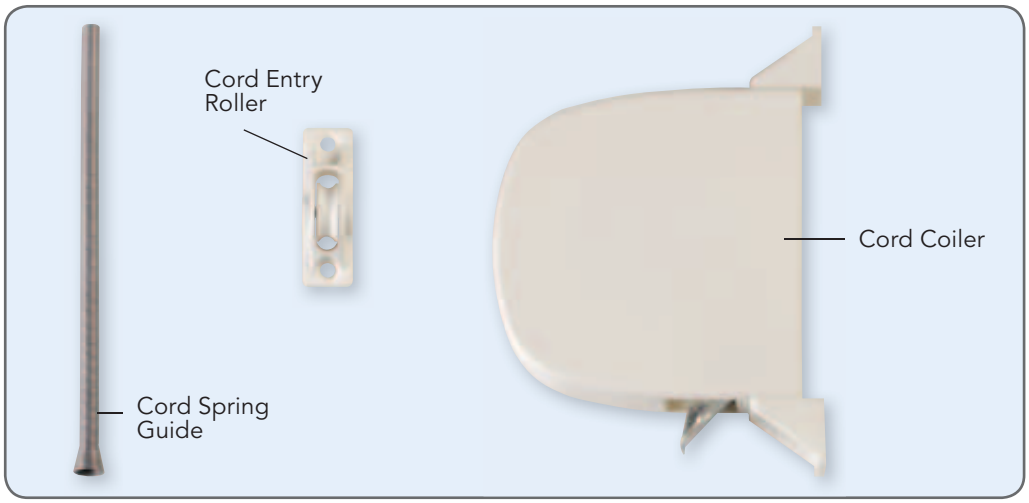


Product Code
40-100-105

Cord Coiler Control Kits

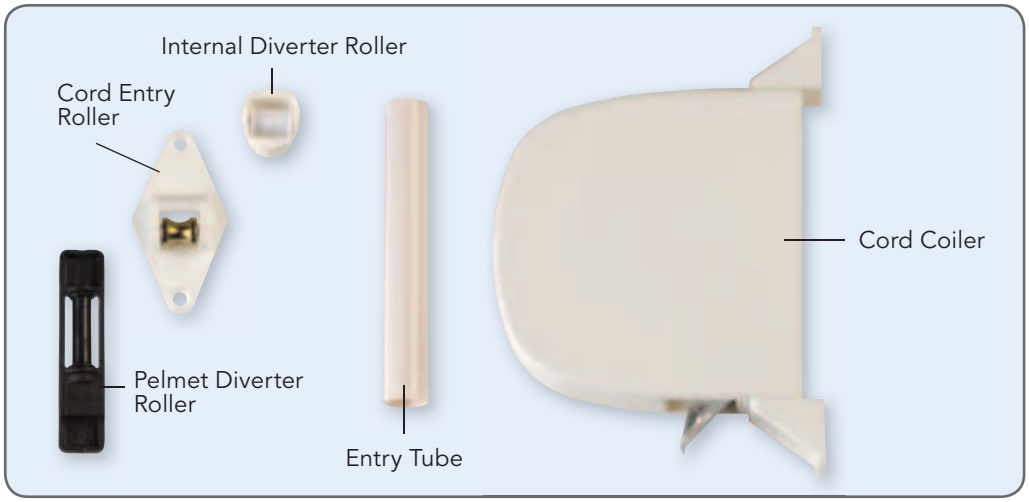
The following components are included in all cord coiler control kits for made to measure roller shutters.

Face Fit



Product Code
40-100-106

Reveal Fit



Product Code
40-100-107

Basic Tips For Measuring

Here are some handy tips for correctly measuring your required Roller Shutter size.

All measurements must be made with care and accuracy before placing an order for manufacture. An incorrectly measured opening can result in your Roller Shutter being manufactured at the wrong size and this can be costly.

Please note, always supply measurements in millimetres and please DO NOT round off measurements.

Width: Measurement to be taken from reveal edge to reveal edge (window or door opening).[1]

Height: Measurement to be taken from sill/ground (bottom of window or door opening) to lintel (top of window or door opening).[2]

Guides: Allow room to fit side guides on each side of the window or door (see Notes on right).[3]

Pelmet: Allow enough room above the window or door for the pelmet box.[4]

Controls: Consider which side of the window or door (looking from outside and inside) are the controls to be positioned.[5]

Manual Controls: Allow enough room for where the control system (including a handle where applicable) is to be positioned inside the building.[5]

Window Sill/ Door Step: Check if the window has a sill or the door has a step or firm ground at the base. If not then you will need to order a bottom sill guide or bottom angle.[6]

Windows: Consider how the window opens. Does it slide, or open out? This will determine if the Roller Shutter can be affixed Face Fit or Reveal Fit.

Windows that open out will normally require a Face Fit Roller Shutter to ensure the window can continue to be opened once the roller shutter has been installed.

With Reveal Fit Roller Shutters, it is important that the guides are installed a minimum of 50mm from the window face.[7]

Notes

1) All width measurements must be in mm.
2) All height measurements must be in mm.
3) Always allow space for guides each side of the window or door.

   NB. Allow 53mm on each side for CW Products Standard Roller Shutters.

   NB. Allow 68mm on each side for CW Products FireSafe™, CycloneSafe™, EasyView™ and security extruded Roller Shutters.

   NB. Allow 105mm on each side for CW Products 77mm Widespan Roller Shutters.
4) All spaces above opening for pelmet must be in mm.
5) Always consider the control position looking from the outside and inside.
6) Is a window sill or door step required? Consider a bottom sill guide or bottom angle.
7) Windows that open out require a Face Fit application. Reveal Fit applications must have a 50mm clearance from window face.

Tips For Measuring Roller Shutters

Measuring Instructions

Standard Face Fit Roller Shutters

This Roller Shutter fixing method has the side guides affixed to the face of the building and the pelmet box is affixed above the window or door opening.

Overall Width:

Measure from reveal edge to reveal edge (opening size) + 106mm for 53mm guides.

Measure from reveal edge to reveal edge (opening size) + 136mm for 68mm guides.

Measure from reveal edge to reveal edge (opening size) + 210mm for 105mm guides.

NB. For Face Fit Roller Shutters, you must make sure you measure the width of the opening in 3 positions (bottom, middle and top) and provide the widest measurement.

Overall Height:

Measure from sill/ground to lintel (opening size) + pelmet box height (if applicable).

Example:

Window frame opening size is 1000mm x 1000mm.

Overall Width 1000mm + 106mm (for 53mm guides) = 1106mm.

Overall Height 1000mm + pelmet box height (for 165mm pelmet) = 1165mm.

Measuring Instructions

Standard Reveal Fit Roller Shutters

This Roller Shutter fixing method has the side guides affixed to the inside of the window or door opening and the pelmet box is affixed at the top within the inside of the window or door opening.

Overall Width:

Measure from reveal edge to reveal edge (opening size) - 4mm.

NB. For Reveal Fit Roller Shutters, you must make sure you measure the width of the opening in 3 positions (bottom, middle and top) and provide the narrowest measurement. Pay particular attention to the top where the pelmet is to be positioned, and only supply the narrowest width measurement over the pelmet height position.

Overall Height:

Measure from sill/ground to lintel (opening size).

Example:

Window frame opening size is 1000mm x 1000mm.

Overall Width 1000mm - 4mm = 996mm.

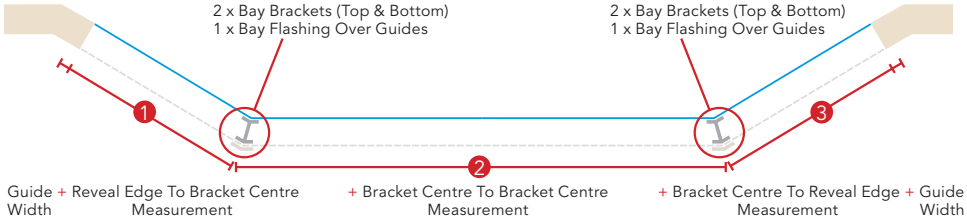
Overall Height = 1000mm.

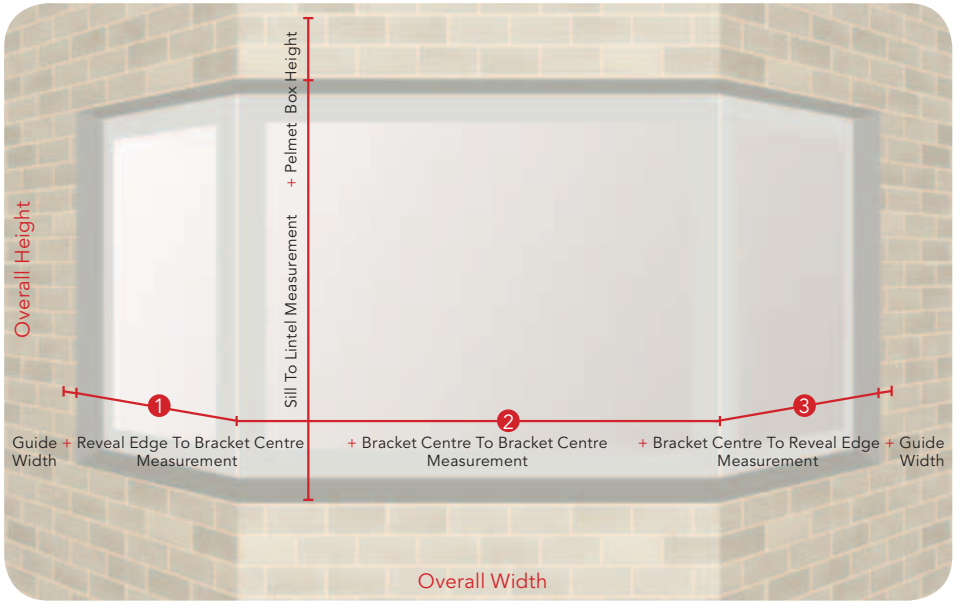
Tips For Measuring Roller Shutters

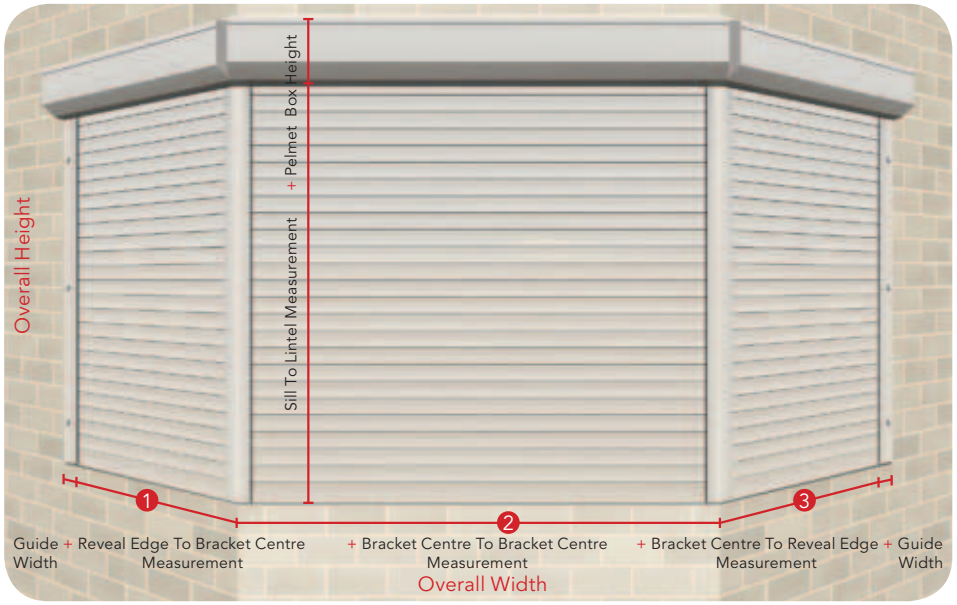
Measuring Instructions

Bay Window Face Fit Roller Shutters

This Roller Shutter fixing method has the side guides affixed to the face of the building while the inner guides are affixed to brackets and the pelmet boxes on all 3 faces are affixed above the bay window opening.







Overall Width:

Shutter ❶
Measure from reveal edge to centre meeting point of bracket (a jig or bay window bracket can be used for accurate meeting point measurement) + 53mm for 53mm guides, 68mm for 68mm guides or 105mm for 105mm guides.

Shutter ❷
Measure from centre meeting point of bracket (between Shutter ❶ & ❷) to centre meeting point of bracket (between Shutter ❷ & ❸).

Shutter ❸
Measure from centre meeting point of bracket (between Shutter ❷ & ❸) to reveal edge + 53mm for 53mm guides, 68mm for 68mm guides or 105mm for 105mm guides.

NB. For Bay Window Face Fit Roller Shutters, you must make sure you measure the width for all 3 faces of the opening in 3 positions (bottom, middle and top) and provide the widest measurement for each of the 3 roller shutters.

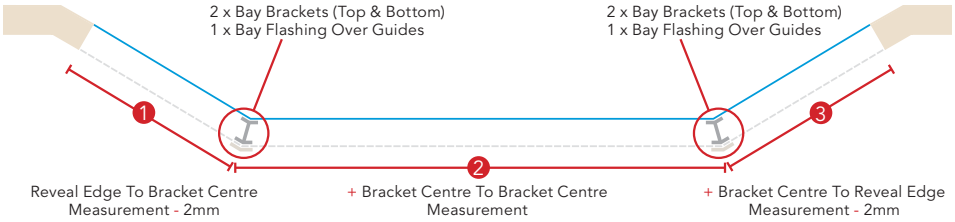
Overall Height:

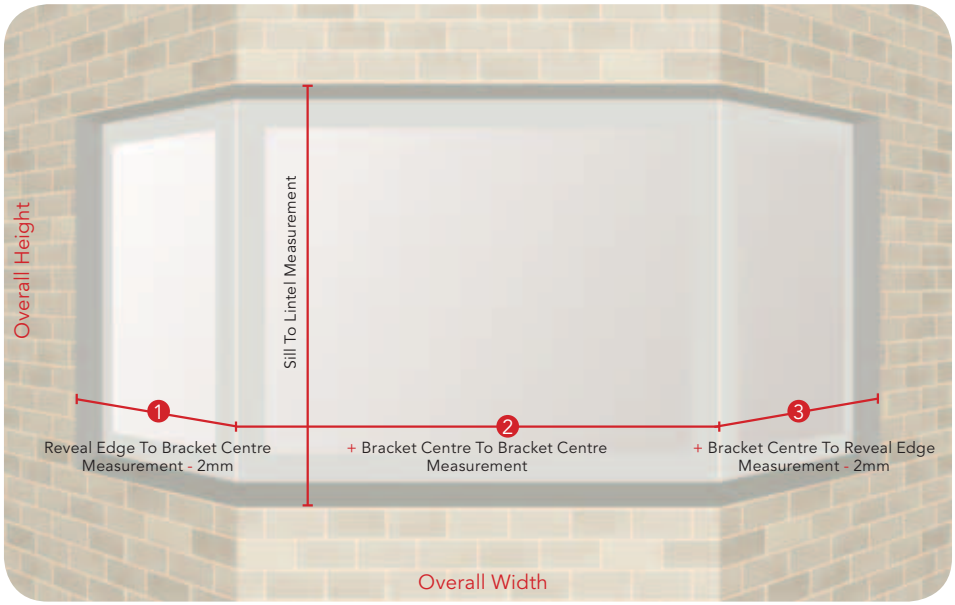
Measure from sill to lintel (opening size) + pelmet box height (if applicable).

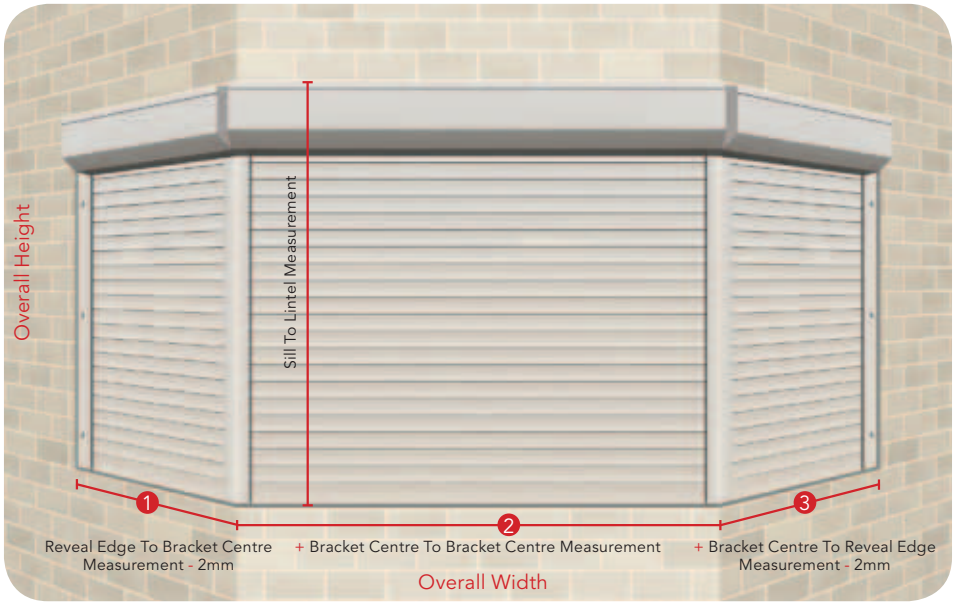
Measuring Instructions

Bay Window Reveal Fit Roller Shutters

This Roller Shutter fixing method has the side guides affixed to the inside of the bay window opening while the inner guides are affixed to brackets and the pelmet boxes on all 3 faces are affixed at the top within the inside of the bay window opening.







Overall Width:

Shutter ❶
Measure from reveal edge to centre meeting point of bracket (a jig or bay window bracket can be used for accurate meeting point measurement) - 2mm.

Shutter ❷
Measure from centre meeting point of bracket (between Shutter ❶ & ❷) to centre meeting point of bracket (between Shutter ❷ & ❸).

Shutter ❸
Measure from centre meeting point of bracket (between Shutter ❷ & ❸) to reveal edge - 2mm.

NB. For Bay Window Reveal Fit Roller Shutters, you must make sure you measure the width for all 3 faces of the opening in 3 positions (bottom, middle and top) and provide the narrowest measurement for each of the 3 roller shutters. Pay particular attention to the top where the pelmet is to be positioned, and only supply the narrowest width measurement over the pelmet height position.

Overall Height:

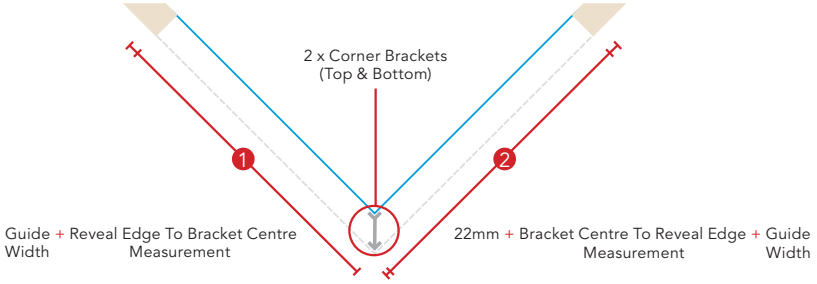
Measure from sill to lintel (opening size).

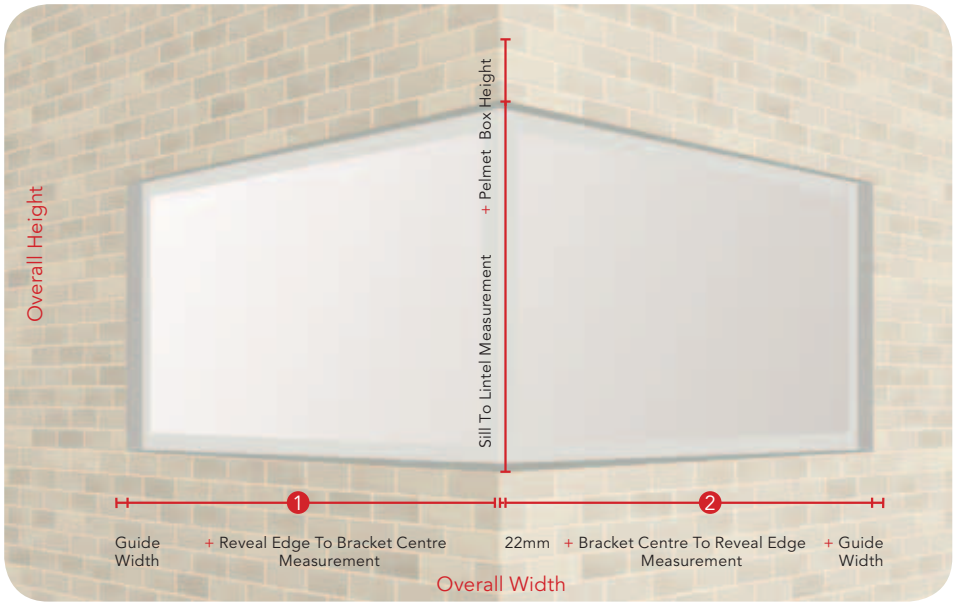
Tips For Measuring Roller Shutters

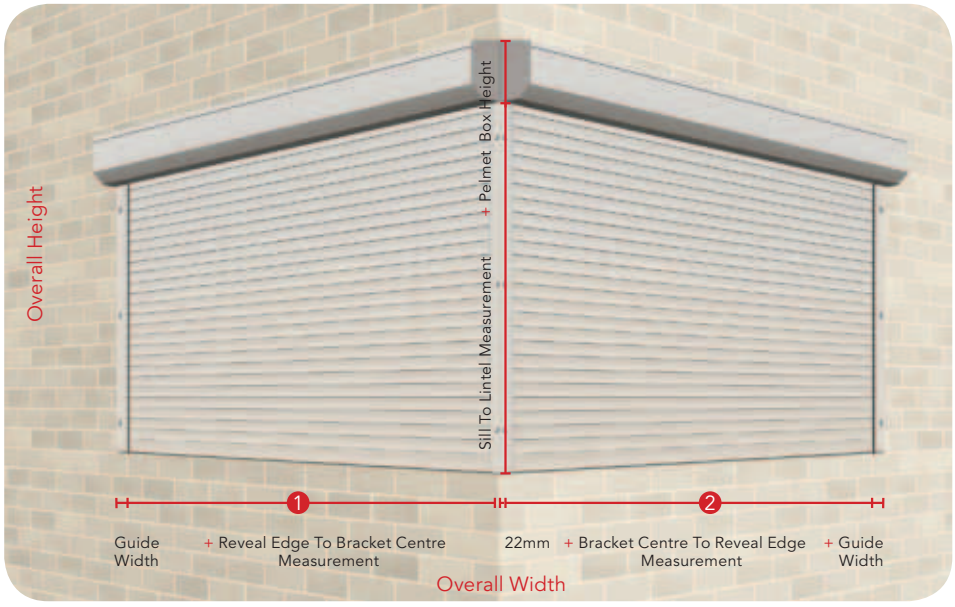
Measuring Instructions

Corner Window Face Fit Roller Shutters

This Roller Shutter fixing method has the side guides affixed to the face of the building while the inner guides are affixed to brackets & each other and the pelmet boxes on both faces are affixed above the window opening.







Overall Width:

Shutter ❶
Measure from reveal edge to centre meeting point of bracket (a jig or corner window bracket can be used for accurate meeting point measurement) + 53mm for 53mm guides, 68mm for 68mm guides or 105mm for 105mm guides.

Shutter ❷
Measure from centre meeting point of bracket (between Shutter ❶ & ❷) to reveal edge + 53mm for 53mm guides, 68mm for 68mm guides or 105mm for 105mm guides + an additional 22mm to allow for the overlapping of guides.

NB. For Corner Window Face Fit Roller Shutters, you must make sure you measure the width for both faces of the opening in 3 positions (bottom, middle and top) and provide the widest measurement for each of the 2 roller shutters.

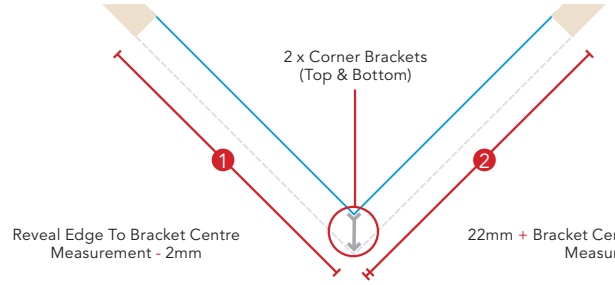
Overall Height:

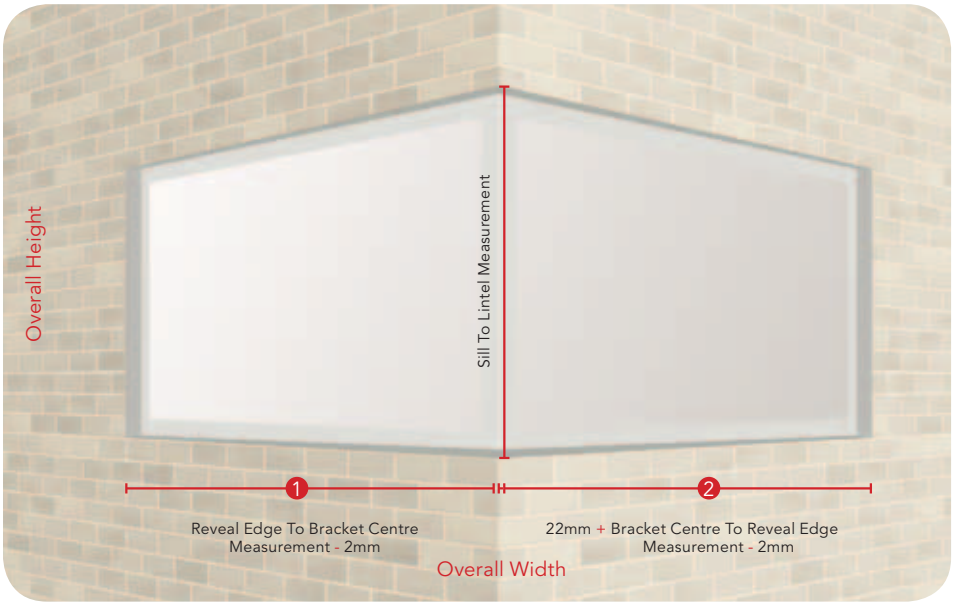
Measure from sill to lintel (opening size) + pelmet box height (if applicable).

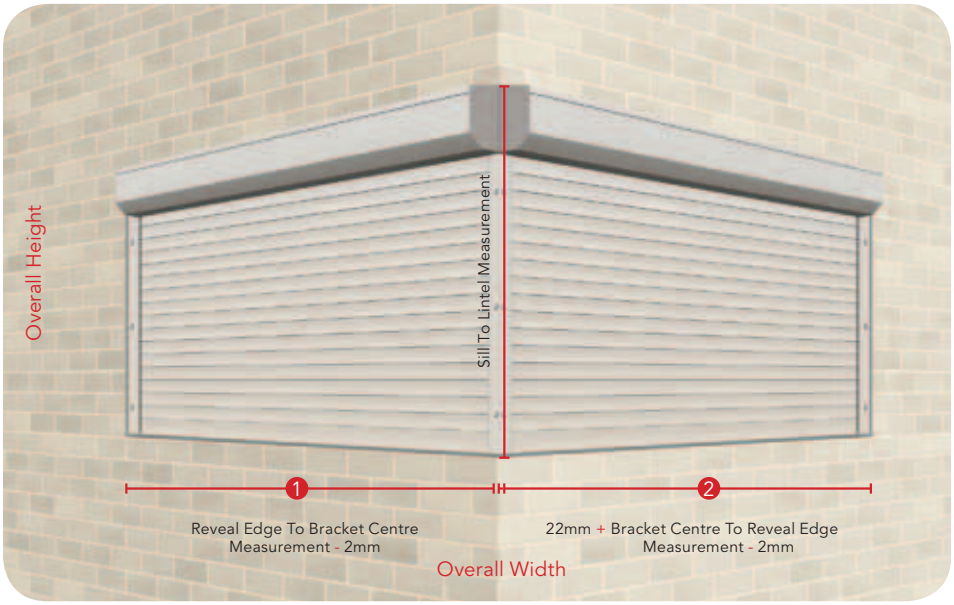
Measuring Instructions

Corner Window Reveal Fit Roller Shutters

This Roller Shutter fixing method has the side guides affixed to the inside of the corner window opening while the inner guides are affixed to brackets & each other and the pelmet boxes on both faces are affixed at the top within the inside of the window opening.







Overall Width:

Shutter ❶
Measure from reveal edge to centre meeting point of bracket (a jig or corner window bracket can be used for accurate meeting point measurement) - 2mm.

Shutter ❷
Measure from centre meeting point of bracket (between Shutter ❶ & ❷) to reveal edge - 2mm + an additional 22mm to allow for the overlapping of guides.

NB. For Corner Window Reveal Fit Roller Shutters, you must make sure you measure the width for both faces of the opening in 3 positions (bottom, middle and top) and provide the narrowest measurement for each of the 2 roller shutters. Pay particular attention to the top where the pelmet is to be positioned, and only supply the narrowest width measurement over the pelmet height position.

Overall Height:

Measure from sill to lintel (opening size).

CW PRODUCTS
HOME AUTOMATION & ROLLER SHUTTERS

Terms & Conditions Of Sale

1. DEFINITIONS

1.1 In these Conditions:

(1) **"Agreement"** means the agreement between CW PRODUCTS and the Buyers consisting of the Purchase Order, these conditions and any terms agreed in writing by the parties;

(2) **"Buyer"** means the entity with whom CW PRODUCTS contracts to supply the Goods;

(3) **"Conditions"** means the terms and conditions contained in this document and includes those terms, if any, imposed by law that cannot be excluded;

(4) **"Goods"** means goods sold by CW PRODUCTS pursuant to the Agreement;

(5) **"GST"** means GST as defined in A New Tax System (Goods and Services Tax) Act 1999 as amended from time to time or any replacement or other relevant legislation and regulations;

(6) **"Purchase Order"** means the Buyer's order to purchase the Goods to which these Conditions apply; and

(7) **"CW PRODUCTS"** means CW PRODUCTS ABN 19 810 045 945, its successors and assigns.

2. AGREEMENT

2.1 The Agreement is the entire agreement between CW PRODUCTS and the Buyer for the supply of the Goods to the Buyer.

2.2 Any variation to the Agreement must be in writing signed by CW PRODUCTS.

2.3 These Conditions replace any standard terms contained in any document issued by the Buyer.

2.4 The Agreement does not create or evidence an agency, partnership, joint venture, or the relationship of employer and employee.

2.5 If anything in these Conditions is or becomes for any reason unenforceable, illegal or void then it is severed and the rest of these Conditions remain in force. If anything in these Conditions is unenforceable, illegal or void in 1 jurisdiction but not in another jurisdiction, it is severed only in respect of the operation of these Conditions in the jurisdiction where it is unenforceable, illegal or void.

3. PRICE

3.1 Unless otherwise agreed in writing by CW PRODUCTS, the price payable by the Buyer for the Goods is the net price of the Goods only, FOB point of shipment, is quoted, advertised or otherwise indicated by CW PRODUCTS (**"Price"**).

3.2 The Price does not include the cost of insurances, shipping expenses, customs duties, Federal, State and local taxes, duties and imposts, and other costs and expenses. These are payable by the Buyer in addition to the Price where applicable.

3.3 Unless GST is expressly included, the price payable for any supply made under or in connection with these Conditions does not include GST.

3.4 To the extent that any supply is a taxable supply, the GST exclusive consideration otherwise payable for that supply is increased by an amount equal to that consideration multiplied by the rate at which GST is imposed in respect of the supply, and is payable at the same time.

3.5 Each party agrees to do all things, including providing tax invoices and other documentation, that may be necessary to enable the other party to claim any input tax credit, adjustment or refund in relation to any amount of GST paid or payable.

4. PURCHASE ORDERS

4.1 All Purchase Orders must be made in writing by the Buyer and will be subject to acceptance by CW PRODUCTS.

4.2 CW PRODUCTS reserves the right to accept or reject in its absolute discretion any Purchase Order it receives.

4.3 Any quotation issued by CW PRODUCTS is not an offer or obligation to sell but an invitation to treat only. A quotation expires 30 days from the date of quotation unless agreed in writing by CW PRODUCTS.

5. DELIVERY DAYS

5.1 CW PRODUCTS will make every effort to deliver the Goods in the shortest possible time.

5.2 CW PRODUCTS will have no liability whatsoever (including liability for negligence) for any loss or damage consequential or otherwise if the Goods are not delivered or delivery is delayed.

5.3 Delayed delivery will not entitle the Buyer to cancel a Purchase Order.

5.4 Any statement made by CW PRODUCTS as to the date for delivery of the Goods is an estimate only.

6. ACCEPTANCE OF GOODS

6.1 The Buyer must inspect the Goods upon delivery.

6.2 The Buyer must give CW PRODUCTS written notice within 14 days of delivery of any matter or thing (including short delivery) that the Buyer alleges is not in accordance with the Agreement. If such notice is not given then to the extent permitted by law the Buyer will be deemed to have accepted the Goods and must pay for them in accordance with the Agreement.

7. RETURNS

7.1 CW PRODUCTS may authorise returns of Goods within 30 days of delivery by issuing the Buyer with a Return Authorisation Number in writing.

7.2 CW PRODUCTS will only accept returns accompanied by a Return Authorisation Number.

7.3 The Buyer must prepay all costs of returning Goods, including CW PRODUCTS re-stocking fee, which is 10% of the Price. All Goods returned must be insured, packed in their original packaging and carriage must be prepaid by Buyer.

8. PAYMENT

8.1 Should an account facility be made available to the Buyer by CW PRODUCTS, the Buyer must pay for the Goods within 30 days from the date of CW PRODUCTS invoice to the Buyer. In the absence of an account facility being made available, the Buyer must either, at the option of CW PRODUCTS, make payment at the time of placing the Purchase Order or on demand.

8.2 Payment for the Goods must be made in cleared funds.

8.3 Any overdue payment will attract interest until the time of payment at a rate equal to 3 percentage points above Westpac Banking Corporation's Indicator Lending Rate. Interest accrues on a daily basis.

8.4 Should the Buyer default in the payment of any monies due under this Agreement then all monies due to CW PRODUCTS shall at the option of CW PRODUCTS immediately become due and payable.

8.5 Any collection costs incurred by CW PRODUCTS in connection with recovering any outstanding monies, including debt collection agency fees and legal costs (calculated on a solicitor and client basis) shall be reimbursed by the Customer.

8.6 The Buyer is not entitled to defer, offset or withhold payment in whole or in part for any reason unless agreed to by CW PRODUCTS in writing.

8.7 If the Buyer is the trustee of a trust it enters into this Agreement in its capacity as trustee of the trust and it warrants to CW PRODUCTS that the trust deed establishing the trust allows the trustee to be indemnified by the trust.

8.8 Where the Goods are supplied to the Buyer on credit, the Buyer must (to secure the performance by the Buyer of its obligations under this Agreement), if requested in writing by CW PRODUCTS, provide an irrevocable guarantee for an amount to be reasonably determined by CW PRODUCTS from a financial institution, and in a form approved by CW PRODUCTS.

8.9 Time is of the essence in respect of the Buyer's obligation to make payment for the Goods.

9. RISK AND TITLE

9.1 Risk in the Goods will pass to the Buyer immediately upon delivery.

9.2 Property in the Goods will not pass to the Buyer until payment for all goods supplied by CW PRODUCTS to the Buyer have been paid for in full:

(1) The Buyer may only sell the Goods as CW PRODUCTS fiduciary agent for the account of CW PRODUCTS and the proceeds of such sale (including any proceeds from insurance claims) will be the property of CW PRODUCTS to be held by the Buyer for and on behalf of CW PRODUCTS in a separate bank account;

(2) The Buyer must store the Goods in a proper manner that clearly identifies the Goods as the property of CW PRODUCTS; and

(3) The Buyer must not bail, pledge, mortgage, charge, grant a lien over, lease or assign the Goods, other than in accordance with clause 9.2(1).

9.3 The Buyer irrevocably authorises CW PRODUCTS at any time to enter any premises upon which Goods the subject of this clause are stored to enable CW PRODUCTS to inspect the Goods and, if the Buyer has breached the Agreement, reclaim possession of the Goods.

9.4 The Buyer acknowledges and agrees that CW PRODUCTS may recover the price of the Goods by legal action if payment for the Goods is overdue, notwithstanding that property in the Goods has not passed to the Buyer.

10. EXCLUSION OF IMPLIED CONDITIONS AND WARRANTIES AND LIMITATION OF LIABILITY

10.1 Subject to clause 12 and to the extent permitted by law, these Conditions exclude all other conditions, warranties, liabilities or representations in relation to the Goods.

11. BUYER'S WARRANTY

11.1 The Buyer warrants that the Goods are purchased by the Buyer for the purposes of re-sale in the course of the Buyer's business or for using them or incorporating them into other products in the course of such business and not for the Buyer's personal, domestic or household or consumption.

11.2 If the Buyer re-sells the Goods, the Buyer must transfer to the purchaser of those Goods the benefit of CW PRODUCTS Warranty contained in clause 12, subject to the conditions contained in that clause. The buyer is not otherwise entitled to make any other representation or warranty to any other person on behalf of CW PRODUCTS.

12. CW PRODUCTS WARRANTY

12.1 Subject to any express warranty or exception in this Agreement CW PRODUCTS warrants that the Goods will be free from defects in materials and workmanship under normal and proper use for a period of 5 years from the date of manufacture or if this date is not ascertainable 5 years from the date of invoice to the Buyer. The warranty period with respect to motors, controls and accessories used for residential garage doors and residential gates is, however, 2 years from the relevant date of manufacture or invoice and 1 year for electronics, solar panels and batteries.

12.2 To the extent permitted by law, CW PRODUCTS liability for any breach of clause 12.1 will be limited (at CW PRODUCTS option) to repairing, replacing, or refunding the price of the Goods, or the supply of equivalent Goods. CW PRODUCTS will not be liable for any consequential damage or loss incurred during or following installation or reinstallation of the Goods.

12.3 The Buyer is responsible for all installation, reinstallation and freight costs in connection with the repair, replacement or refund of the Price of the Goods, pursuant to this warranty.

12.4 Property in the Goods or parts of the Goods that are replaced pursuant to this warranty will be retained by or otherwise pass to CW PRODUCTS.

12.5 This warranty does not apply:

(1) if usage, selection, adaptation, installation, operation or wiring of the Goods or any electrical connections are not in accordance with the manufacturer's written selection guides, installation, operating instructions, professional standards and wiring diagrams;

(2) If the Goods have been opened, dismantled or returned with clear evidence of abuse, negligent use or other damage;

(3) If the Goods have been used to perform functions other than the functions they were designed for, being, in summary, motorising windows, window coverings, retractable shading devices, doors, door coverings, gates, garage doors and protection screens and any other functions that CW PRODUCTS notifies to the Buyer in writing in its absolute discretion;

(4) If the Goods are used with any inappropriate products, software or other goods that have not been previously approved in writing by CW PRODUCTS;

(5) To unauthorised maintenance or modifications to the Goods;

(6) Any damage to Goods caused by an external source regardless of its nature (including damage caused by penetration by liquid);

(7) To the extent that CW PRODUCTS specifically notifies the Buyer that it does not apply;

(8) To batteries or other consumables; or

(9) To removal, reinstallation or maintenance costs of the Goods.

13. PRIVACY

13.1 Where the Goods are supplied to the Buyer on credit the Buyer irrevocably authorises CW PRODUCTS, its Employees and Agents to make such enquiries necessary to investigate the creditworthiness of the Buyer with respect to the supply of such credit including (but not limited to) making enquiries of, and exchanging information (including some personal information) with, the Buyer's trade referees, bankers and credit providers, and with credit reporting agencies (**"information sources"**) and the Buyer authorises such information sources to disclose to CW PRODUCTS such information in their possession concerning the Buyer that is requested by CW PRODUCTS.

13.2 For the purposes of the Privacy Act 1988 where the Buyer is an individual, CW PRODUCTS declares that it collects information about the Buyer to assist in promoting and selling its products and services. CW PRODUCTS does not disclose information about the Buyer to any person except as required in the course of providing its products or services for the ordinary administration of its business. If the Buyer does not want to receive promotional material from CW PRODUCTS, he or she can inform CW PRODUCTS. The Buyer can also request access to his or her personal information by making a written request to CW PRODUCTS.

14. OWNERSHIP OF BUYER

14.1 Buyer must notify CW PRODUCTS within 7 days of any alteration to its registered particulars.

14.2 Where Goods are supplied to the Buyer on credit, Buyer must notify CW PRODUCTS in writing within 14 days of any:

(1) addition or alteration to the shareholding or directorship of Buyer (if Buyer is a company);

(2) addition or alteration to the partnership (if Buyer is a partnership); or

(3) intended sale of the Buyer's business. (**"Ownership Changes"**).

14.3 If there are any Ownership Changes in the Buyer, CW PRODUCTS may, in its absolute discretion, withdraw credit facilities for that Buyer.

15. GOVERNING LAW AND JURISDICTION

15.1 The law of South Australia governs the Agreement.

15.2 The parties submit to the non-exclusive jurisdiction of the courts of South Australia and the Federal Courts of Australia.

Notes

Notes

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