



# Motorisation



# SPECIFICATIONS

# Somfy® Roller Blind Motorisation

## - Wired

Window Treatments offers three wired motors capable of lifting up 19.6kg. Hardwired motors are always preferable, although Somfy battery blinds are available when hardwiring is not possible so it is important particularly for new builds that pre-wiring should be considered for any automation requirements.

Any blind on an 83mm tube requires an Altus 6/17 motor

Total Opening Width		50mm Tube								63mm Tube		83mm Tube		Multi-link Blinds Only							
		560	1000	1250	1500	1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000
Drop	1250																				
	1500																				
	1750																				
	2000																				
	2250																				
	2500																				
	2750																				
	3000																				
	3500																				

Key	Motor Type	Tube	Lifting Capacity
	Sonesse 3/30 Motor	50mm/63mm Tube	9.6kg
	Sonesse 6/20 Motor	50mm/63mm Tube	19.6kg
	Altus 6/17 Motor	83mm Tube	11.6kg

### Minimum/Maximum Sizes

Window Treatments can produce a single motorized roller up to 5000mm wide with a 2250mm drop. As the width decreases, a larger drop is possible. Multi-link blinds can produced up to 8000mm wide with a 4000mm drop, however we recommend blinds with drops exceeding 3500mm are installed with wire guides.

Performances	Sonesse 3/30	Sonesse 6/20	Altus 6/17
Torque	3nm	6nm	6nm
Nominal Voltage	230v	230v	230v
Rated Current	0.44	0.55	0.45
Rated Power	95W	120W	90W
Speed	30RPM	20RPM	17 RPM
Thermal Protection	5 Min	5 Min	4 Min
Radio Frequency	433.42	433.42	433.42
Sound Level (DB)	42	45	47
Canle Length	210mm	210mm	210mm
IP Rating	IP 44	IP 44	IP 44
Insulation Class	III	III	I

### Remote options

Hardwired and RTS (Radio Technology Somfy®) options are available. Hardwired; a maximum of five blinds or five groups of blinds can be controlled through a wall mounted remote. RTS allows for up to sixteen blinds or sixteen groups of blinds to be controlled wirelessly.



Situio 1 Remote



Situio 2 Remote



Situio 5 Remote



Telis 16 Channel



Telis 6 Chronis



Telis Mod/Var with scroll wheel



Scroll wheel for precise adjustment of horizontal blind slats



Smoove Origin



Inis UNO



Inis DUO



Decoflex 5 Channel



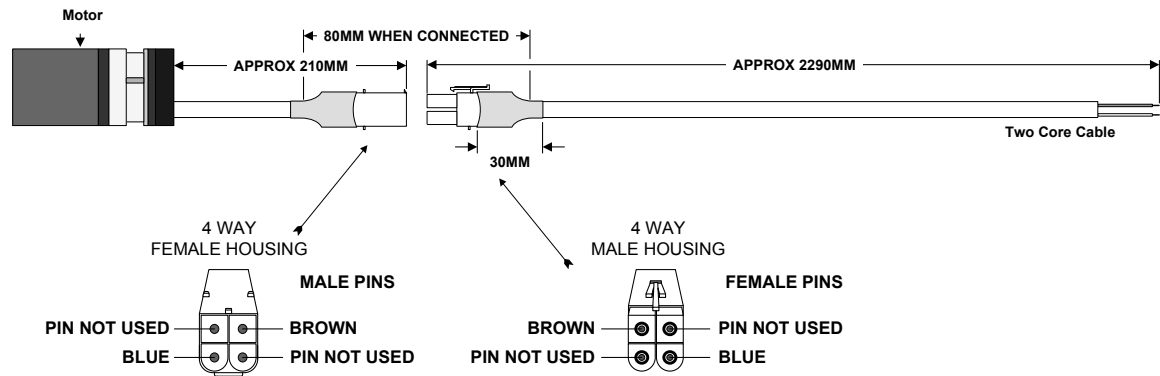


# Somfy® Roller Blind Motorisation

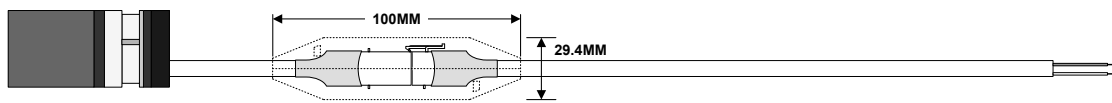
## - Wiring - Inline Connector

To provide power to Somfy's wired motors, Window Treatments uses an Inline Connector. The RTS Inline Connector has a two core cable while the non-RTS Inline Connector has a three core cable. This allows rewiring from a RTS control to a hardwired control or vice versa. Below are wiring diagrams for both options:

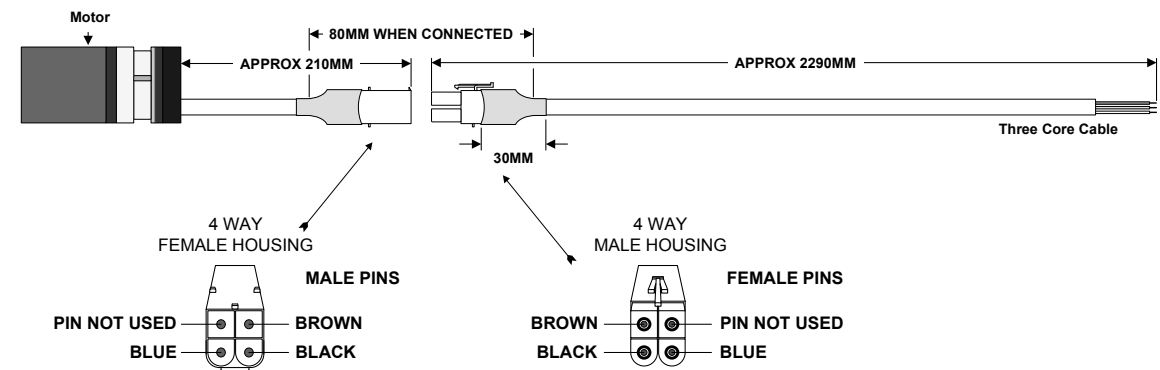
### RTS Inline Connector (Two Core Cable)



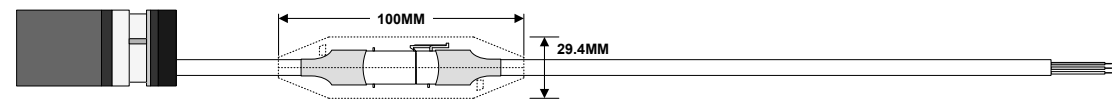
#### In-Line Connector and Housing Fitted



### Non-RTS Inline Connector (Three Core Cable)



#### In-Line Connector and Housing Fitted



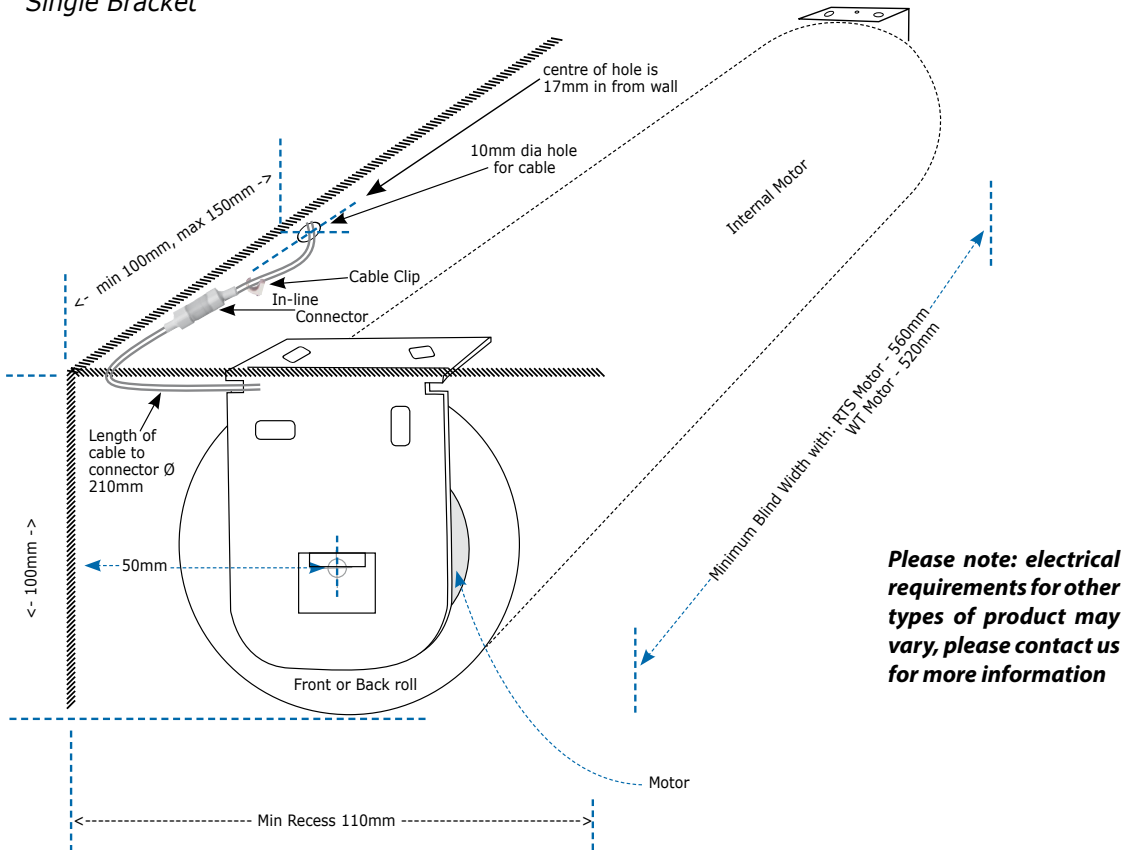
SPECIFICATIONS

# Roller Blind Motorisation

## - Electrical requirements

### Example of connection and recess sizing for a Single Motorised Roller Blind

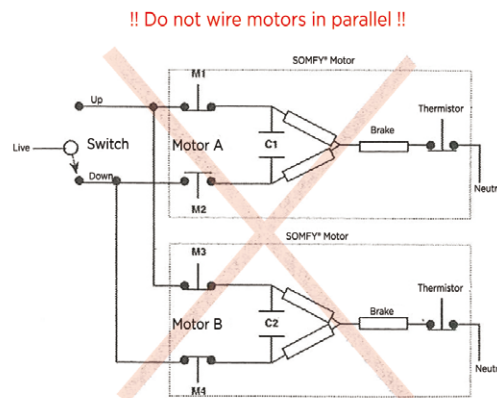
#### Single Bracket



#### Power supply and A connection - incorrect wiring systems:

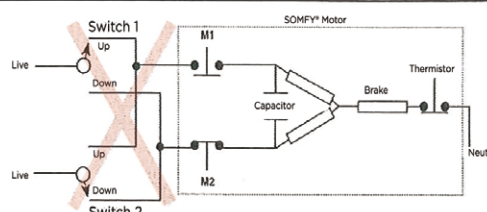
##### Parallel Wiring

Do not wire Somfy® standard motors in parallel. Each motor requires its own switch or relays. If group control is required contact us for the required controller and wiring information.



##### Multiple Switching

Do not wire one motor directly to more than one switch. If multiple switching is required contact us for the required controller and wiring information.



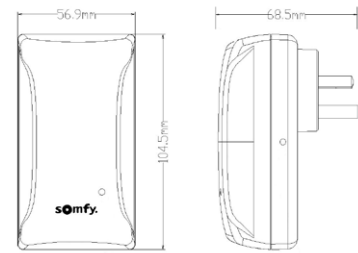
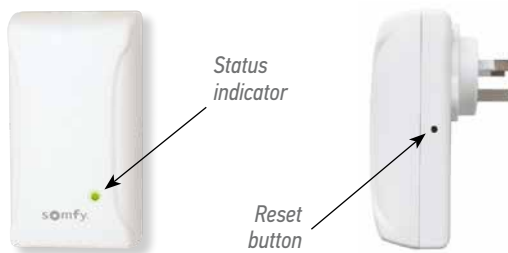


# Somfy® Roller Blind Motorisation

## - myLink

The Somfy® myLink app allows advanced control options for your motorised blinds whether you are home or away. Scheduled time control allows automatic operation to help reduce heat gain or loss. Each myLink can control 5 individual motorised products or 5 groups of motorised products. Somfy® myLink is compatible with iOS devices running iOS 7 or higher and Android devices running Jellybean or higher. Connectivity to both 2.4GHz and 5GHz wireless routers is supported.

Somfy® myLink Technical Characteristics	
Operating temperature	0°C to 45°C
Protection Rating	IP 20
Radio Frequency	Wifi: 2.4GHz, 802.11b/g/n RTS: 433.42 MHz
Radio Hz Range	200metres in open field, 20 metres through 2 reinforced concrete walls
Dimensions (H x W x D mm)	105 x 57 x 52 (without plug)



**Please note: electrical requirements for other types of product may vary, please contact us for more information**  
It is important that your electrical professional is given the correct specifications and information at the wiring stage of construction therefore please arrange for your electrical professional to contact our Technical Services Manager Acko Atkins with your project information.

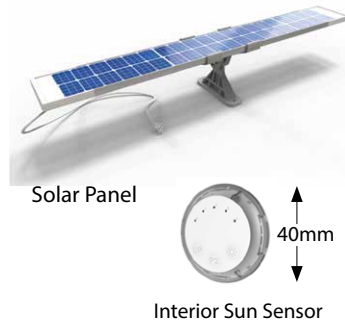
Helpful information to have available when you ring or email is : Client name, your Window Treatments NZ Ltd Consultants name, product type and if possible the Window Treatments NZ Ltd Job Number.

**Acko Atkins - Technical Services Manager,  
Window Treatments NZ Ltd, Head Office  
218 Main South Road, Christchurch,  
Postal Address: P O Box 6260, Upper Riccarton, Chch 8442  
Ph (03) 343 6175 DDI,  
Mobile 027 439 8287,  
Fax (03) 343 0277  
Email acko.atkins@window-treatments.co.nz**

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# Rollease Acmeda - Roller Blind Motorisation - Wirefree

Window Treatments offers three Wire-Free motors capable of lifting up to 9.6kg. The Li-ion Battery powered motors are great for hard to reach places, especially when equipped with a solar panel. With the blinds being raised and lowered once a day, battery power will last approximately 3 months depending on fabric weight. A charging cable is provided and must be connected to the motor for 6 hours to provide optimum charge (standard 4mtr length supplied, 1.22mtr and 2.44mtr extensions available as optional extras). Alternatively, a solar panel charger can be fitted in the window to keep the motor charged allowing two cycles per day (once up and once down).



## Minimum/Maximum Sizes

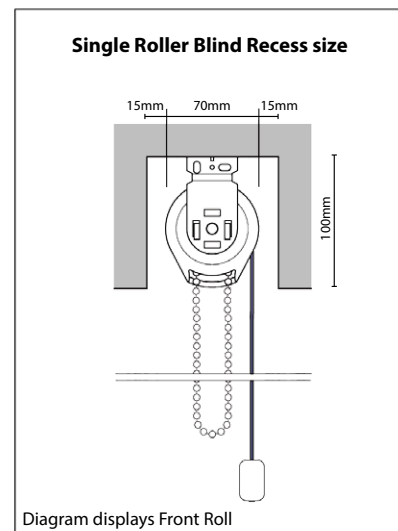
Window Treatments can produce a battery powered motorised roller blind to any size shown on the table. If your window is larger than our maximum size, our wired motorization offers more lifting capacity.

Min - Max Blind Width for Li-ion Battery Motors

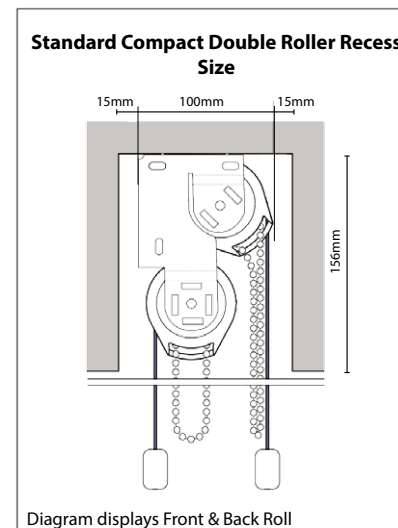
Drop	1 Blind 1 Motor 38/50mm Tube							1 Blind 1 Motor 50mm Tube				2 or 3 Blinds 1 Motor 50mm Tube					
	510	705	1000	1250	1500	1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000
1250																	
1500																	
1750																	
2000																	
2250																	
2500																	
2750																	
3000																	
3500																	

Key	Motor Type	Tube	Lifting Capacity
Yellow	1.1Nm Battery Motor	38mm/50mm Tube	3.6kg
Light Green	2.0Nm Battery Motor	50mm Tube	6.6kg
Dark Green	3.0Nm Battery Motor	50mm Tube	9.6kg

Performances	Li-ion 1.1	Li-ion 2.0	Li-ion 3.0
Torque	1.1nm	2nm	3nm
Nominal Voltage	12v	12v	12v
Rated Current (Amp)	0.83	1.25	0.83
Speed	40RPM	28RPM	20RPM
Thermal Protection	5 Min	5 Min	5 Min
Radio Frequency	433.92	433.92	433.92
Sound Level (DB)	42	44	45
IP Rating	IP 44	IP44	IP 44
Insulation Class	III	III	III
Battery Size	1400mAH	2600mAH	4000mAH



Compatibility Chart	Li-ion 1.1	Li-ion 2.0	Li-ion 3.0
Controller - Pulse	Y	Y	Y
Controller - Paradigm	Y	Y	Y
Sensor- Interior Sun Sensor	Y	Y	Y
Sensor - Solar Wind & Light	-	-	-
Sensor Motion Sensor	-	-	-



## Technologies





# Rollease Acmeda - Roller Blind Motorisation - Wirefree

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## Control Options

Paradigm Remotes feature a contemporary design with touch sensitive controls. Available in single and fifteen channel models, paradigm remotes are compatible with all ARC motors. An LCD with levelling control features on the 15 channel remote, allowing for precise positioning of your blind.



## Remote

Descr: Paradigm 1CH ARC Remote (1 Channel)  
Descr: Paradigm 15CH ARC Remote (15 Channel)

## Automate Pulse/App

Whether you are at home or away, you can accurately control your blinds via the animated interface on your smart phone. Bi-directional communication allows you to visualise the exact positioning of blinds whilst also tracking the battery levels. Within the app, automate hub allows you to group shades into rooms making it easier to operate multiple blinds at once. Timers are also available allowing you to control sunlight throughout the day. This can help with heat loss/gain and provide UV protection to furnishings.

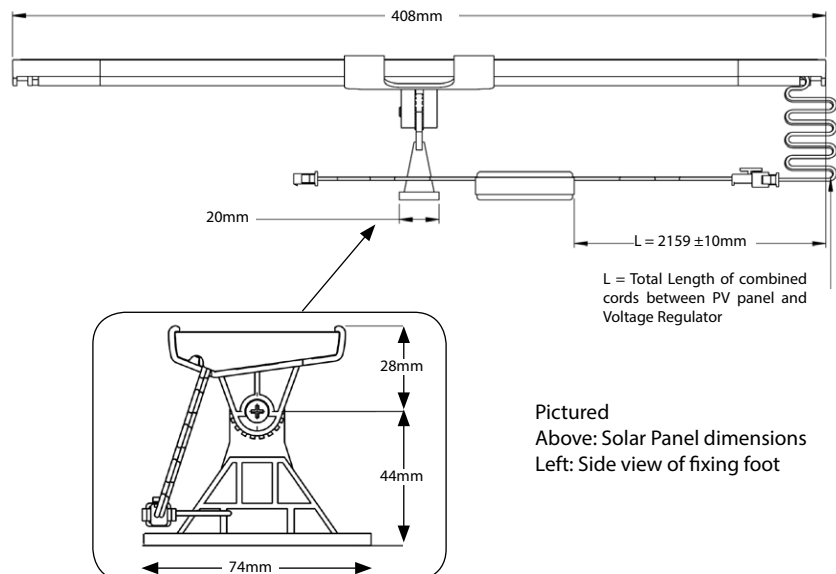
Automate Pulse Specifications		Automate Pulse Capabilities	
Installation	Desktop or wall mounted	Accounts per Hub	5 (1 admin, 4 guests)
Power Input	SVDC/1A	Locations per account	5
Rated Current	500mA	Devices per Hub	30
Rated Power	<2.5W	Hubs per location	5
Standby Power	≤300mA	Rooms per location	20
Wi-Fi Network	802.11 b/g/n - 2.4GHz	Scenes per location	20
Device Central Frequency	433MHz	Timers per location	20
Radio Coverage	30m for device control (indoors)		
Protection Class	IP20		
Antenna	Built-in		
Working Temperature	-10 ° to 45 °		
Storage Temperature	-20 ° to 55 °		

## Automate Pulse



## Solar Panel Charger

The Rollease Acmeda® solar panel charger is great for hard to reach places. The solar panel will allow you to raise and lower your blinds once a day whilst maintaining a constant charge to the motor. The mono-silicon/crystal solar panel provides power in varied conditions including in shadow-cast and low light situations. Panels can also be wired in parallel to provide additional power for larger applications.



Pictured Above: Solar Panel dimensions  
Left: Side view of fixing foot