



Automated Hardware

Components and Wiring

2024.03 v3.6

alspec[®]
EVERYTHING ALUMINIUM
& HARDWARE

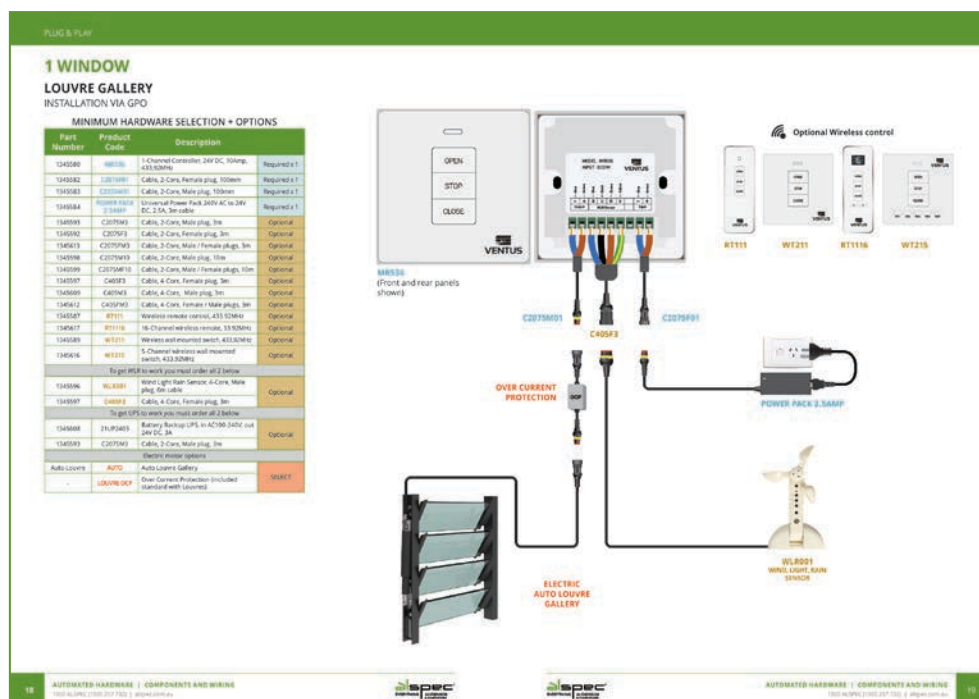
How to use the schematics

The following easy to follow schematics are set up in relation to a minimum equipment list. This minimum equipment list can be found on each page of the wiring drawings to help reference the necessary parts needed and how they relate to one another. The drawings do not show additional extension cables as your requirements vary; include additional cables where required.

To use this document you need to follow a few very simple steps:

1. Read and understand hardware requirements
2. Refer to the header on each chart to first find the number of windows you need to automate and secondly find the matching hardware.
3. Each chart has a table listing all the parts available for that particular setup. Simply follow the list to help identify, select and show the location of the parts you will use.
4. If you find you have too many motors for the available channels, divide the openings/windows into groups. For example, if there are 7 windows and 5 of them require either Twin or Sync Chainwinders (both use two motors), use two MR551 8-Channel controllers and plan accordingly.

Parts are designed to plug together via the use of the male and female Quick Connect Plugs that helps remove confusion and speeds installation. Wiring hookups not using the plug & play method is possible, electricians can follow the guide on the specifications required.



PLUG & PLAY

Thank you for considering Alspec's plug & play automated hardware range as your electrified opening solution.

This document provides all the details you require to order and install Alspec's plug & play automated hardware.

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No. # Windows	Louvre Gallery		Awning Chainwinder			
	GPO	BMS	Standard GPO	BMS	SYNC GPO	BMS
1	19	21	23	25	27	29
2	31	33	35	37	39	41
3	43	45	47	49	51	53
4	55	57	59	61	63	65
5	67	69	71	73	-	-
6	75	77	79	81	-	-
7	83	85	87	89	-	-
8	91	93	95	97	-	-

Mixed GPO: 99

Mixed BMS: 101

Direct Connection: 103

UPS: 105

TWIN CHAINWINDER

x4: 107

POWER STRUTS

x1 GPO: 109

x1 BMS: 111

x4 GPO: 113

x4 BMS: 115

1 General Guidelines

Some Basic Ground Rules

1. The plug & play system operates on 24V DC outputted from a power pack plugged into 240V AC mains power outlet via "GPO".
2. All Plug & Play cables are supplied in 100mm, 3m and 10m lengths.
3. All Auto Louvres **include** and **must use** the OCP (Over Current Protection switch).
4. Use a Synchroniser Lead (Sync Lead) to operate two Automated Chainwinders on the same window. This allows greater pitch between chains on wider windows.
5. Any electrical cable joins on site must be made with the provided plugs or be a soldered joint.

Step 1. Identify the drawing that you will be wanting to install.

Step 2. Refer to the List of parts

Required	= Item required. The system cannot function without this item.
Optional	= This is an optional item. The user can select optional accessories or parts as required for the system to operate.
Select	= This is a required item with options. The user will need to select at least one of these to operate that setup.

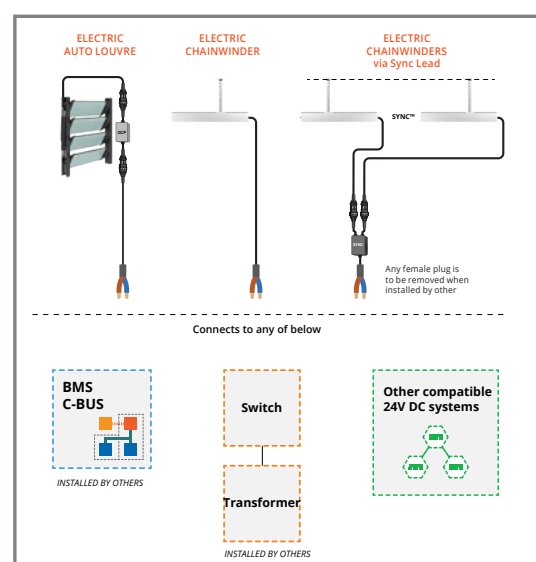
Installation without 'Plug & Play'

Have your electrician install for you.

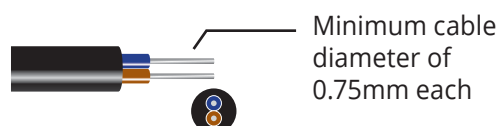
When installations do not require the plug & play connectors, the installation can be made using direct connections following the guidelines below.

This must be completed by a Licensed Electrician and support the following minimum requirements:

- Motor hardware operates on 24V DC and requires a minimum cable diameter of 0.75mm to reduce voltage loss over longer distances.
- Auto Louvres come with and **must use** the OCP (Over Current Protection switch) included.
- Use a Synchroniser Lead (Sync Lead) to operate two Automated Chainwinders on the same window.
- Non 'Plug & Play' cable joins **must be** a soldered joint.



See page 2.88 for the direct connection guide.



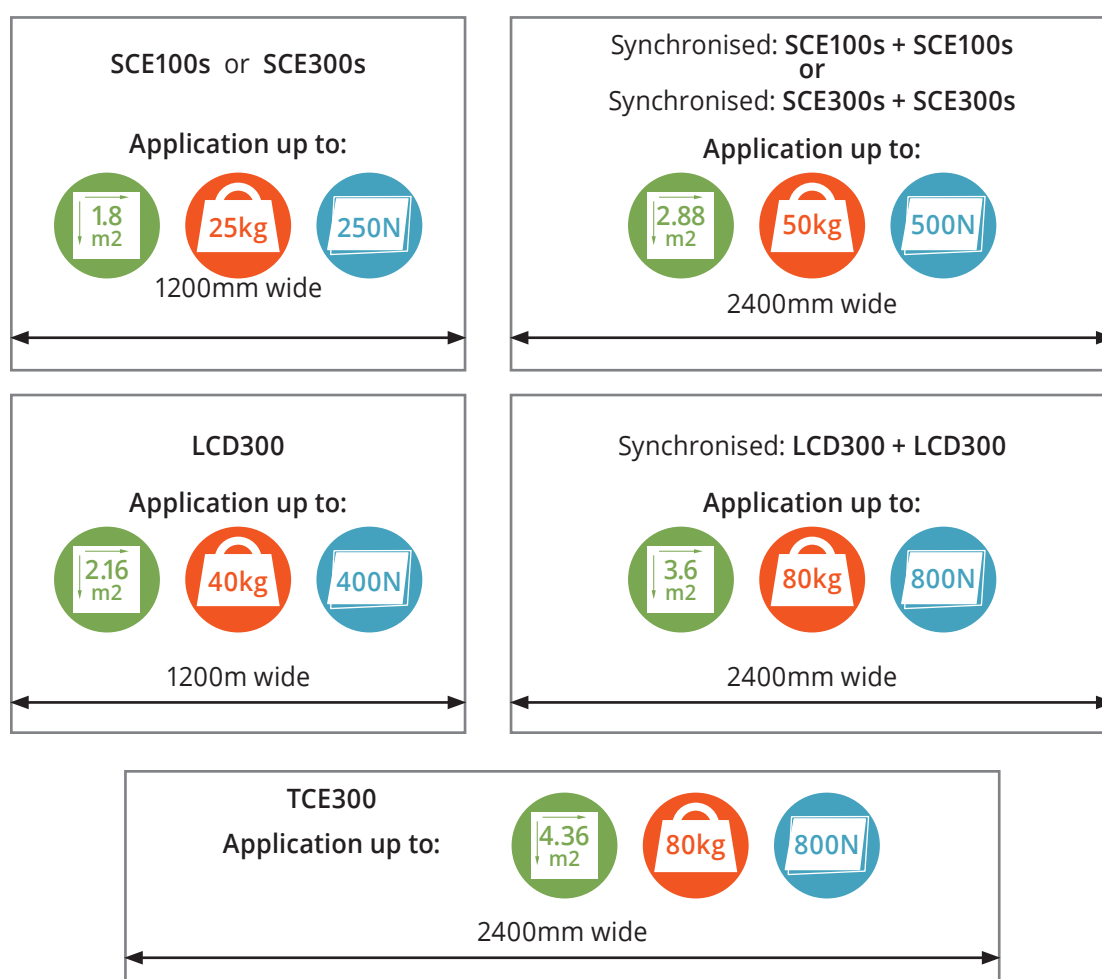
2 Automated Chainwinder Size Chart

Chainwinder	Height (max)	Width (max)	m ² (max)	Weight < kg (no greater than)	Force of Motor
SCE100s	1500mm	*1200mm	1.8m ²	< 25kgs	250N
SCE300s	1500mm	*1200mm	1.8m ²	< 25kgs	250N
LCD300	1800mm	*1200mm	2.16m ²	< 40kgs	400N
TCE300	1800mm	*2400mm	4.36m ²	< 80kgs	800N
SCE100s + SCE100s SYNCHRONISED	1200mm	*2400mm	2.88m ²	< 50kgs	Combined 500N
SCE300s + SCE300s SYNCHRONISED	1200mm	*2400mm	2.88m ²	< 50kgs	Combined 500N
LCD300 + LCD300 SYNCHRONISED	1500mm	*2400mm	3.6m ²	< 80kgs	Combined 800N

SYNCHRONISED refers to the addition of a synchroniser box plugged from a channel on the control box and operates two matching Automated Chainwinders through one channel simultaneously.

IMPORTANT:

Automated Chainwinders are to be used with **Non-Friction Stays**. Friction Stays should not be used.



3 Automated Chainwinder Wiring

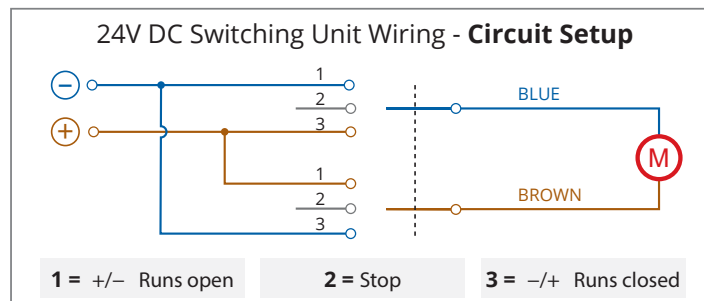
Chainwinder Switch Unit

Automated chainwinders have an internal circuit board called a switch unit. This switch unit is not polarity sensitive, allowing the unit to run in either direction dependent on the signal sent and received.

+/- Runs open

-/+ Runs closed

If you press open on a remote or a BMS, the unit will receive a +/- signal to open the motor.



Power Supply

The system uses a power pack to supply the required 24V DC to operate. A GPO (general power outlet) should be installed within reach to plug into. Which power pack to use is dictated by how many motors are connected to the channel controller.

Note: A Synchronised Chainwinder pair and the TCE300 Twin Chainwinder count as two motors while operating out of one channel. An MR551 8-Channel Controller can operate a maximum of x4 Sync or Twin Chainwinders.

1 to 4 Motors:
2.5 Amp Power Pack



5 to 8 Motors:
10 Amp Power Pack



Peak Amp Guide

Chainwinder	Peak Amp	Normal Amp	Motor count
SCE100s	1.0A	0.4-0.6A	1
SCE300s	1.0A	0.4-0.6A	1
LCD300	2.8A	0.4-1.0A	1
TCE300	5.6A	0.8-2.0A	2
SYNC: SCE100s + SCE100s	2.0A	0.8-1.2A	2
SYNC: SCE300s + SCE300s	2.0A	0.8-1.2A	2
SYNC: LCD300 + LCD300	5.6A	0.8-2.0A	2

WIRING

The automation products operate off a 24V DC system and requires a minimum cable diameter of 0.75mm to reduce voltage loss over longer distances.

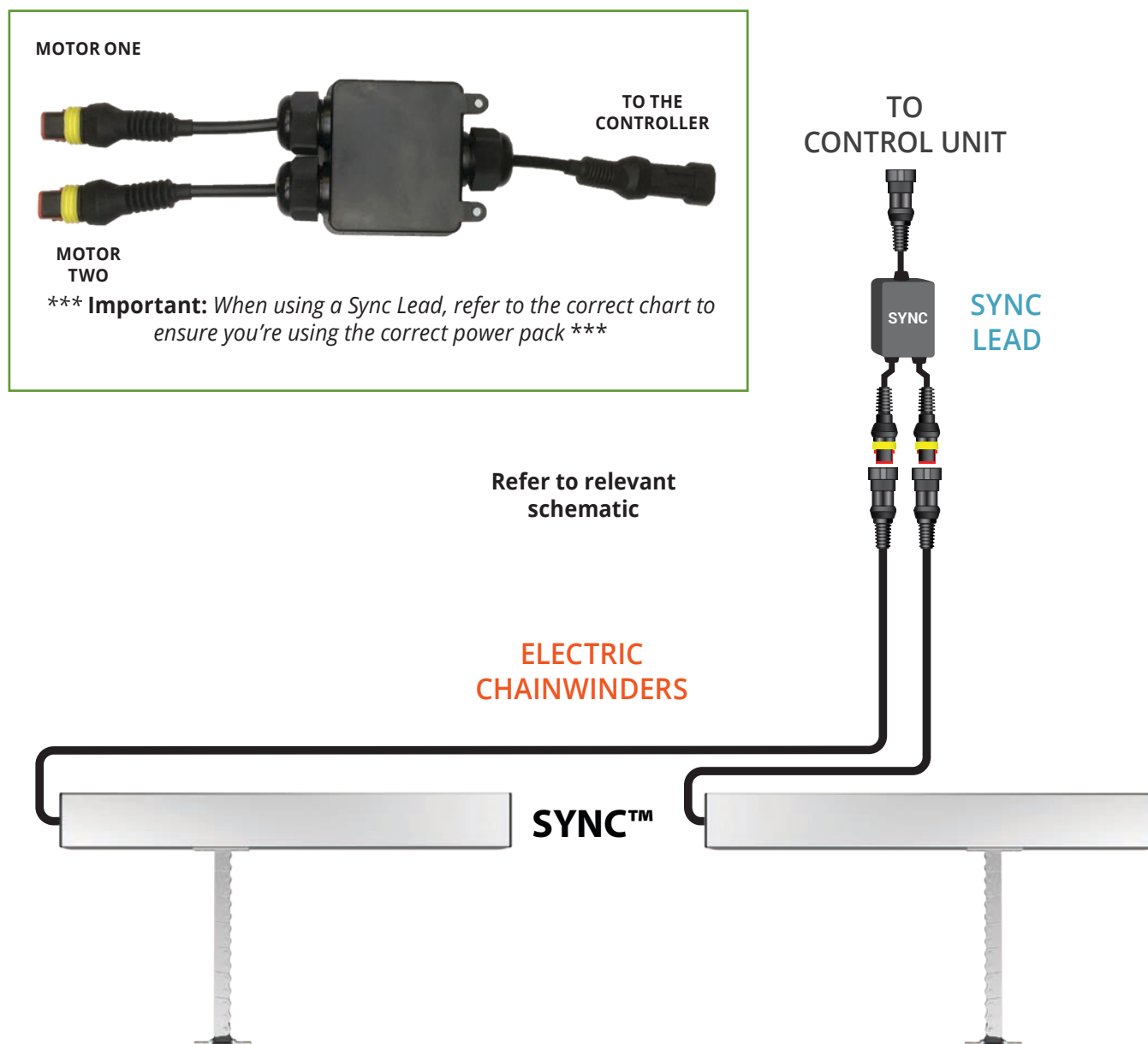
4

Synchronising Automated Chainwinder

Unlike other systems that use a network cable to achieve synchronising, plug & play does not require additional components such as network adapters and power packs. The system allows for a faster and more cost effective method of linking winders together by use of a Sync Lead.

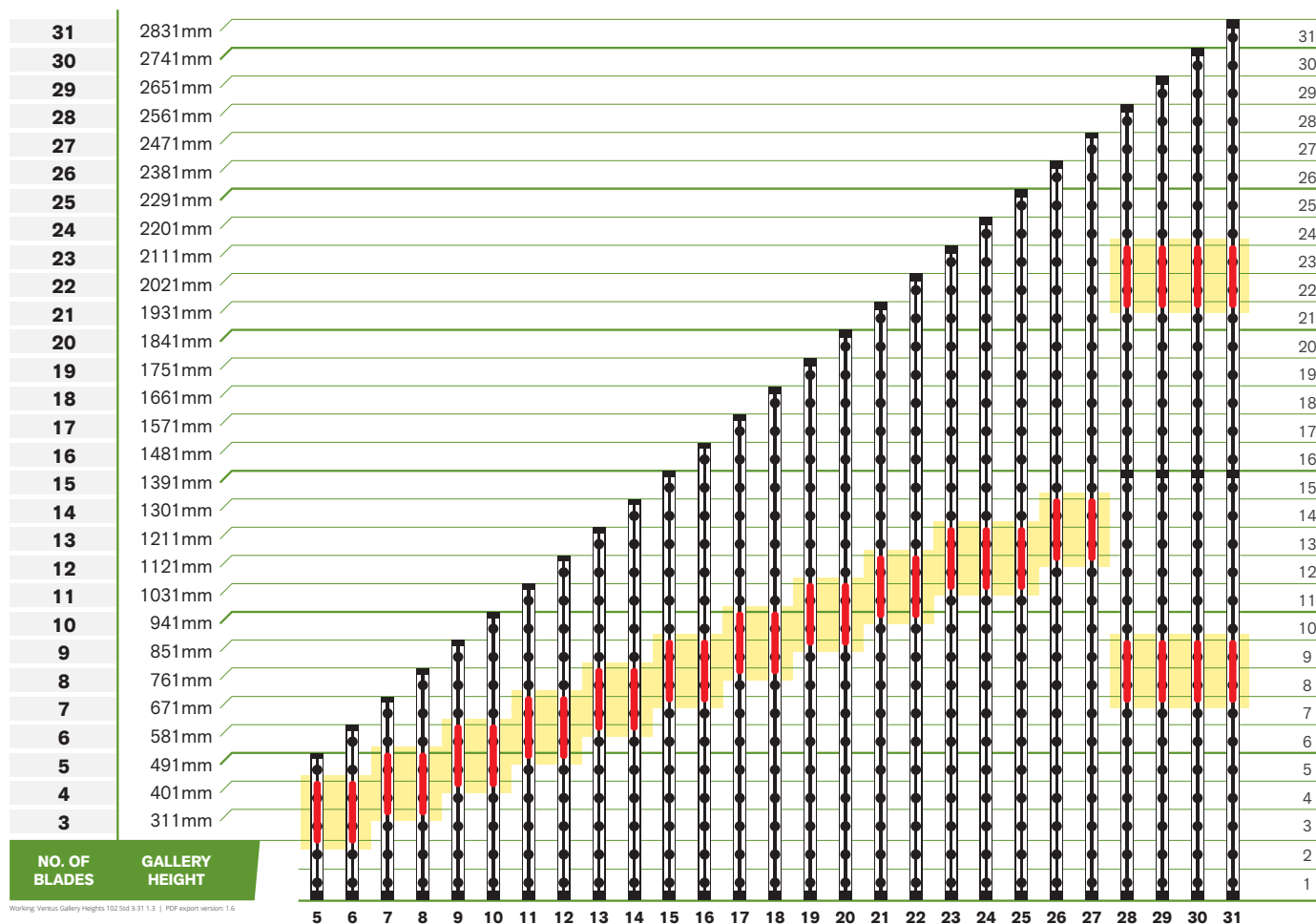
The Sync Lead guarantees that **both winders** will run in synchronisation. If a load related issue is detected, for example, one of the winders gets jammed or damaged, the protection circuit activates isolating the linked pair until the issue is resolved.

It is recommended the Sync Lead is fitted next to the controller allowing for ease of install, keeping the electrical components in one location. This item does not require a separate power supply as the controller provides sufficient power required for both chainwinders through the one channel.



5 Auto Louvre Size Charts

102mm Auto Louvre Heights & Motor Location

VENTUS LOUVRE GALLERY
102mm AUTO


= MOTOR LOCATION

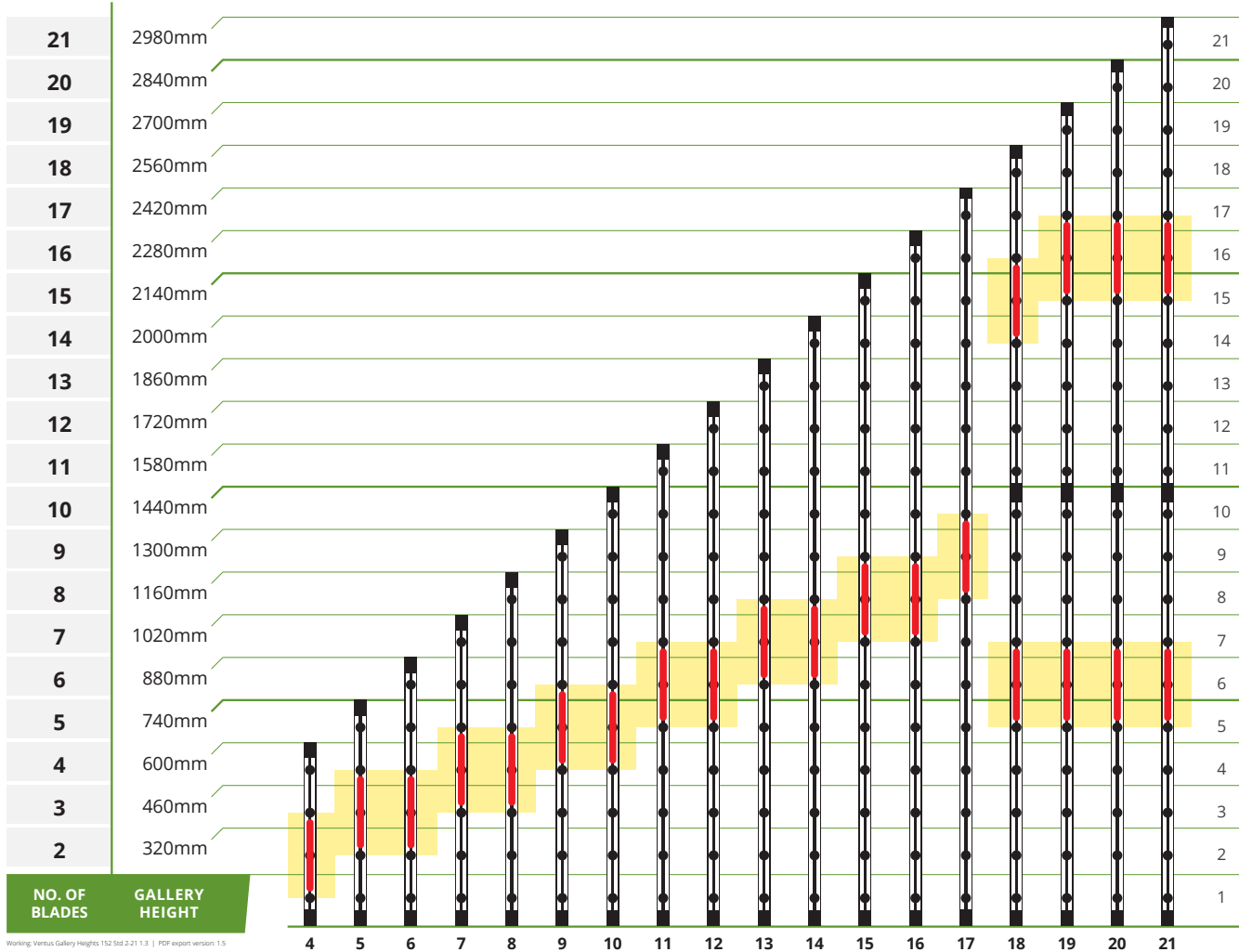
Note: Sizes greater than shown are possible as an engineered solutions with consultation

152mm Auto Louvre

Heights & Motor Location

VENTUS LOUVRE GALLERY

152mm *AUTO*



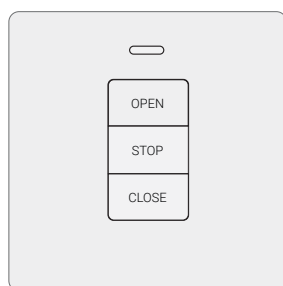
= MOTOR LOCATION

Note: Sizes greater than shown are possible as an engineered solutions with consultation

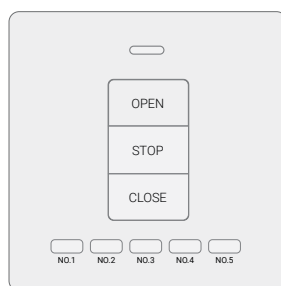
6 Auto Louvre Wiring



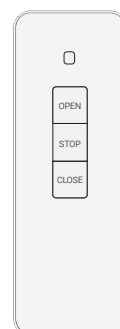
7 Pairing Wireless Transmitter



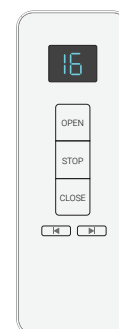
WT211



WT215



RT111



RT1116

Specifications

Model	Channel	Working Frequency	Transmission Distance	Button Battery	Operating Current	Receiving Sensitivity
WT211	1	433.92MHz	< 50m	3V CR2032	≤ 10mA	-100dBm
WT215	5	433.92MHz	< 50m	3V CR2430	≤ 10mA	-100dBm
RT111	1	433.92MHz	< 50m	3V CR2430	≤ 10mA	-100dBm
RT1116	16	433.92MHz	< 50m	3V CR2430	≤ 10mA	-100dBm

Pairing Wireless Transmitters Guide

Operation Description

- Before setting multi channel transmitter, please choose a channel you want to program and control.
- Setting method of single channel remote is as same as multi channel remote.

Matching Code

- Power the controller on
- Press [STOP] on the MR536 or the red button on the MR551 for 5 seconds
- Press [OPEN] on the remote
- LED flashes 3 times to confirm pairing has been made

Clearing Single Code

- Power the controller on
- Press [STOP] on the MR536 or the red button on the MR551 for 5 seconds
- Press [CLOSE] on the remote *within* 15 seconds
- LED flashes 3 times to confirm pairing has been removed

Locking Channel *(For RT1116 only)*

- Select the required channel
- On the back of the remote, press the small gold button three times quickly to lock and unlock
- It will default back to unlock after power off or reset

Replacing battery

- Open the back board of the transmitter
- Take out the used battery and place the new one
- Close the back board
- Please dispose of the used battery appropriately

Troubleshooting

No.	Symptom	Solution
1	LED on the transmitter is off or weak.	1. Make sure the cover is installed ready. 2. Change the battery.
2	The transmitter and the receiver work well, the motor does not work.	1. Check the wiring of motor. 2. Check all control connections.

8

Power Strut Selection Table

1000N STRUTS

Part Number	Strut Codes	Closed Length (mm)	Open Length (mm)	Stroke (mm)	Sash Height (mm)	Latchbox Cutout (mm)	Max Sash Weight (kg)
1345621	605-855 Strut 250 24V DC 1000N	605	855	250	950-1049	828	53
1345620	700-950 Strut 250 24V DC 1000N	700	950	250	1050-1149	923	49
1345627	750-1060 Strut 310 24V DC 1000N	750	1060	310	1150-1249	1023	60
1345626	850-1160 Strut 310 24V DC 1000N	850	1160	310	1250-1349	1123	55
1345625	850-1260 Strut 410 24V DC 1000N	850	1260	410	1350-1449	1223	77
1345624	950-1360 Strut 410 24V DC 1000N	950	1360	410	1450-1549	1323	72
1345623	1050-1460 Strut 410 24V DC 1000N	1050	1460	410	1550-1649	1423	68
1345622	1150-1560 Strut 410 24V DC 1000N	1150	1560	410	1650-1750	1523	65

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Power Strut Installation Guide

IMPORTANT:

Please carefully read through the installation instructions provided.

Failure to do this could lead to potential product failure or injury.

NOTE TO FABRICATION TEAM:

- DO NOT turn the lower leg of the strut in the Closed or Open position.
- All adjustments to the strut are done on the top adjustable eye end.
- Ensure the cable enters the frame above the top mount
- Ensure the orientation of the Top mount and Latch post are correct
- DO NOT exceed 2 full turns of the top eye during adjustment.
- There must be a 10mm gap at the base of the Sash to allow for the Sash to freely open and close.

1.

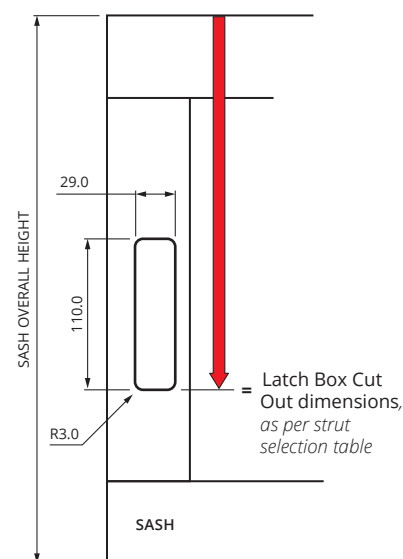
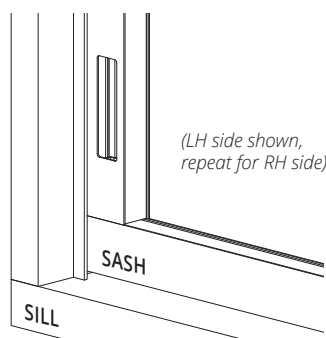
WINDOW SASH CUTOUT DETAIL

Machine the Latch Box Cut-Outs on the inside face of the LH and RH Sash Stiles to the dimensions shown.

Ensure the machine Cut-Out is 110mm x 29mm at least 33mm deep.

** CRITICAL STEP **

Measure the Latch Box Cut-Out using the strut selection table. The measurement of the Latch Box Cut-Out is from the top of the sash to the bottom of the Cut-Out. The Cut-Out will dictate that the sash opens to 90 Degrees.

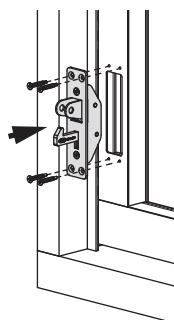


2.

Install the Latch Boxes into the Left-Hand Sash and Right-Hand Sash Cut-Outs using four 10Gx25mm screws.

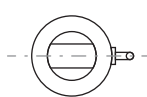
(Left-Hand side shown, repeat for Right-Hand side).

Push the Latch box all the way down to the bottom of the Cut-Out.

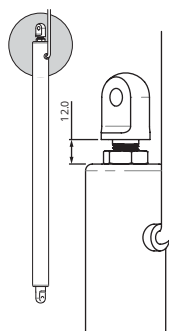


3.

On each Power Strut Actuator: Adjust the gap between the Eyelet and the Main Body to 12mm, then lock off with Locking Nut.



Try and line up the Eyelet end with the Actuator cable exit as shown.



4.

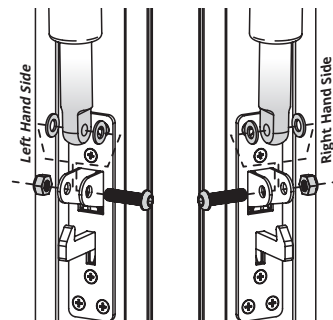
Mount the bottom of the Actuator onto the Latch Box using the M8x30mm Bolt, Nyloc Nut and Washers.

Ensure the Washers are placed on either side of the Actuator Eyelet.

** CRITICAL STEP **

When you have the bolt fitted into the latch box, only hand tighten the nut, further adjustment may be needed.

DO NOT TURN THE LOWER LEG OF THE STRUT AT ANY TIME DURING THIS STEP. ADJUSTMENT TO BE MADE AT THE TOP EYE ONLY.

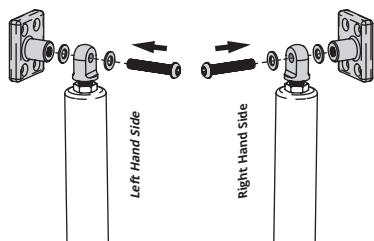


5.

Mount the top of the Actuator to the Top Bracket with the supplied M8x45mm Bolt and Washers.

Ensure the Washers are placed on either side of the Actuator Eyelet.

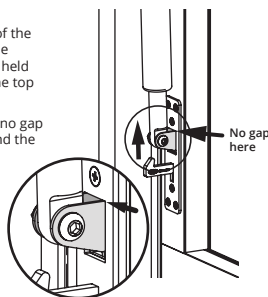
Wind in all the way but don't tighten yet, more adjustments are required.



6.

Ensure the arm of the Latch Box is in the upright position, held firmly towards the top of the window.

There should be no gap in the connect and the face plate.



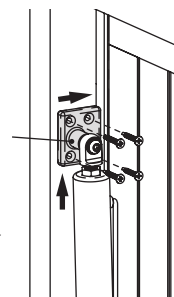
7.

At the top of the sash, hold the Top Bracket firmly against the frame while applying pressure towards the top of the window and the glass.

Ensure the Bracket is rotated so the threaded post sits furthest away from the glass.

Install the LH and RH side Top Brackets using four 10Gx25mm screws each.

If required, remove the Actuator to install any remaining inaccessible screw mounts.



8.

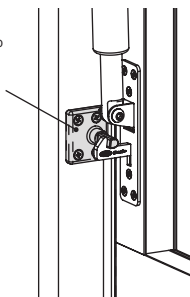
Position the Latch Post so that the flat side is firmly seated against the Latch Tongue. Ensure that the Latch Post is rotated so it is in the position closest to the glass. Install the LH and RH Latch Posts in position with four 10Gx25mm screws each.

**** CRITICAL STEP ****

When the latch post is installed the Shape of the hook should nest neatly onto the post.

It is important that you do not push the hook down while positioning the latch post. There should be very little pressure on the latch post and hook.

**** Too Much Pressure on the hook is caused by the incorrect seal being fitted to the sash. ****

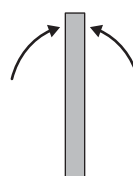


9.

**** CRITICAL STEP ****
Stand the Frame up right.

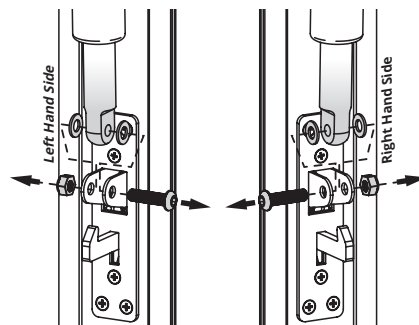
All further tests are conducted with the frame in the upright position from here on in.

Ensure that the frame is vertically level and the base is secured in place ready to operate the sash.



10.

Disconnect the bolts in the lower leg of the Struts and allow the struts to move away from the Latch Box.

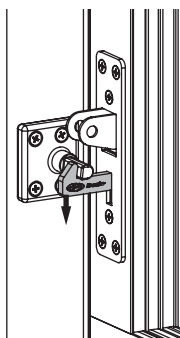


11.

With the help of an additional person, unlatch the hook frame the latch post.

This will allow the Sash to swing open about 100mm.

This is the natural resting spot of the sash due to the hinge connection.



12.

**** CRITICAL STEP ****

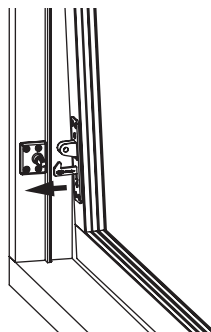
This step now checks the correct latching function.

Carefully pull the window into the closed position. Minimal force is required to correctly latch the sash.

The Latch Hooks should easily hook over the latch post.

**** Too Much Pressure on the hook is caused by the incorrect seal being fitted to the sash. ****

**** if you are experiencing latching issues at this stage, Stop, assess, rectify. ****



13.

At this point its time to connect the electricals. Please refer to the wiring schematics for correct connection.

Check List

1. Connect the 2 by Female leads from the Motors to the S102HL sync.
2. Connect the S102HL sync to the Controller.
3. Connect the Power to the controller.
4. Pair the remote if required.

Before operating the struts. Ensure there is no obstruction and the end is clear of the latch box.

Open the Actuators about 50mm by pressing **Open** of the Remote or Controller.

Once the Actuators reach 50mm press **STOP** on the Remote or Controller.

14.

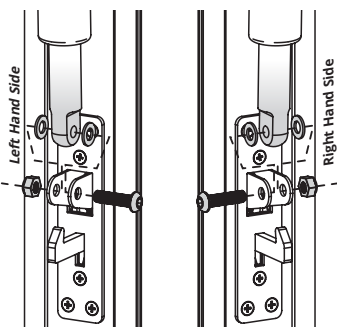
Mount the bottom of the Actuator onto the Latch Box using the M8x30mm Bolt, Nylock Nut and Washers.

Ensure the Washers are placed on either side of the Actuator Eyelet.

**** CRITICAL STEP ****

When you have the bolt fitted into the latch box, only hand tighten the nut, further adjustment may be needed.

When you have the bolt fitted into the latch box, only hand tighten the nut, further adjustment may be needed.



15.

Now that both actuators are re fitted, Press Close on the Remote / Controller. The Sash will now close.

**** Latched Correctly **** - No need for further adjustment, continue to Step 18

**** Left Hand did not latch fully **** - Further adjustment is required to LH only. Please follow from steps 16.

**** Right Hand did not latch fully **** - Further adjustment is required to RH only. Please follow from steps 16.

**** Both did not latch fully **** - Further adjustment is required to LH and RH. Please follow from steps 16.

16.

Open the window again to roughly 50mm of strut extension by selecting OPEN on the remote. Stop at 50mm extension.

The following adjustments are only carried out at the top of the Struts:

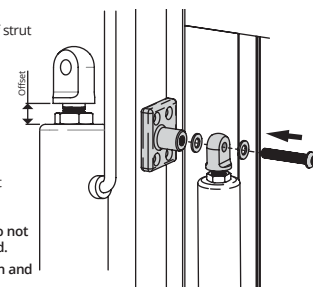
- Loosen the Lock nut a few turns
- Rotate the eye end clockwise to shorten ½ a turn only (Max 2 turns)
- Re-insert the bolt and nip up the lock nut

**** CRITICAL STEP ****

When adjusting the eye end of the strut, do not adjust more than 2 full turns of the eye end.

This will create additional force on the latch and hinges beyond the system design.

Continued adjust will cause damage to you frame, sash and VOID the warranty of the product.



17.

Now that both actuators are re connected, Press Close on the Remote / Controller. The Sash will now close.

**** Latched Correctly **** - No need for further adjustment, continue to Step 18

**** Left Hand did not latch fully **** - Further adjustment is required to LH only. Please follow from steps 16.

**** Right Hand did not latch fully **** - Further adjustment is required to RH only. Please follow from steps 16.

**** Both did not latch fully **** - Further adjustment is required to LH and RH. Please follow from steps 16.

18.

With the sash latching correctly, Open the frame 1 more time to around 50mm of strut extension.

Loosen the Lock nut at the eye end. Carefully turn the Main body of the Strut to position the Cable facing the Sash.

LH Strut Rotate Anti Clock Wise - RH Strut Rotate Clock Wise.

Grasp the Main body of the Strut and use a 19mm spanner to now tighten the Lock Nut.

Back out the M8x45mm Bolt and apply a few drops of thread lock and re-insert.

Do not over tighten.

Close the Sash and disconnect the electricals.

19. OPTIONAL CABLE COVER:

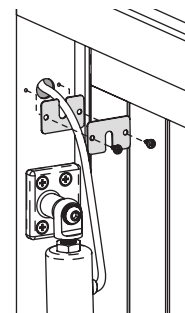
Drill a 22mm hole into each side of the frame above the Actuator and plug the Power Strut in.

Mount the two Stainless steel Faceplates with two 6G Pan Head screws to cover the 22mm hole.

**** CRITICAL STEP ****

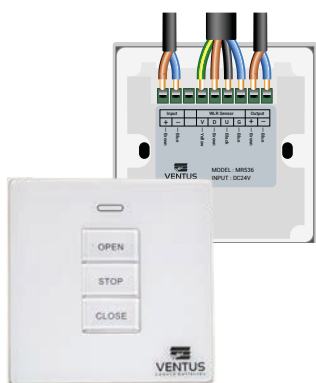
Ensure sure cable exiting actuator is positioned closest to the glass

The Cable will need to have a bit of slack left in the cable to allow for movement when the sash opens and closes.

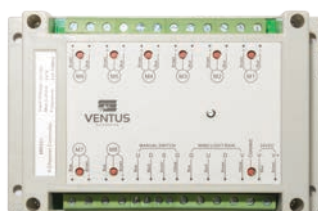


10 COMPONENTS AND DESCRIPTIONS

Part Number	Product Code	Description
1345580	MR536	1-Channel Controller, 24V DC, 10Amp, 433.92MHz
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y
1345587	RT111	Wireless remote control, 433.92MHz
1345617	RT1116	16-Channel wireless remote, 433.92MHz
1345589	WT211	Wireless wall mounted switch, 433.92MHz
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz
1345593	C2075M3	Cable, 2-Core, Male plug, 3m
1345592	C2075F3	Cable, 2-Core, Female plug, 3m
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m
1345598	C2075M10	Cable, 2-Core, Male plug, 10m
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m
1345597	C405F3	Cable, 4-Core, Female plug, 3m
1345609	C405M3	Cable, 4-Core, Male plug, 3m
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m
To get MS541 to work you must order all 3 below		
1345605	MS541	Wired wall mounted switch
1345597	C405F3	Cable, 4-Core, Female plug, 3m
1345609	C405M3	Cable, 4-Core, Male plug, 3m
To get WLR to work you must order all 2 below		
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable
1345597	C405F3	Cable, 4-Core, Female plug, 3m
To get UPS to work you must order all 2 below		
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A
1345593	C2075M3	Cable, 2-Core, Male plug, 3m



MR536
1-Channel control unit



MR551
8-Channel control unit



21UP2403
UPS battery backup power



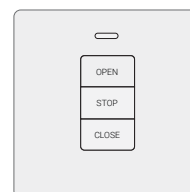
POWER PACK 2.5AMP
Mains power 240V AC to 24V DC



POWER PACK 10AMP
Mains power 240V AC to 24V DC



WLR001
Wind Light Rain Sensor



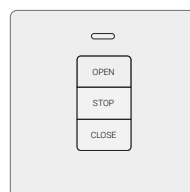
MS541
Wired wall mounted switch



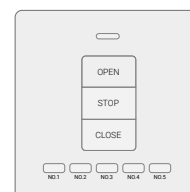
RT111
1-Channel wireless remote control



RT1116
16-Channel wireless remote control



WT211
1-Channel wireless wall mounted switch



WT215
5-Channel wireless wall mounted switch



C2075F01
2-Core female plug
100mm



C2075M01
2-Core male plug
100mm



C2075F3
2-Core female plug
3m



C2075M3
2-Core male plug
3m



C2075FM3
2-Core female-male plug
3m



C2075FM10
2-Core female-male plug
10m



C2075M10
2-Core male plug
10m



C405F3
4-Core female plug
3m



C405M3
4-Core male plug
3m



C405FM3
4-Core female-male plug
3m

MOTOR OPTIONS

COMPONENTS AND DESCRIPTIONS

Part Number	Product Code	Description
9052968	C1F2M	Motor Control Test Lead
Automated Louvre Hardware		
	Louvre OCP	Over Current Protection (included standard with Louvres)
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery
Automated Chainwinder Hardware		
1345586	S102P SYNC	Synchronizer control unit
1345597	C405F3	Cable, 4-Core, Female plug, 3m
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N
1345600	SCE100s Black PC	Standard Chain Electric Winder 24V DC, 100mm, 250N, Black powder coat
1345595	SCE300s Black PC	Standard Chain Electric Winder 24V DC, 300mm, 250N, Black powder coat
1345603	TCE300 Black PC	Twin Chain Electric Winder 24V DC, 300mm, 800N, Black powder coat
1345602	LCD300 Black PC	Large Chain Electric Winder 24V DC, 300mm, 400N, Black powder coat
Automated Power Strut Hardware		
1345611	S102HL	Sync control lead for Power Struts
1345621	605-855 Strut 250 24V DC 1000N	605-855mm Strut, 250mm stroke, 24V DC, 1000N
1345620	700-950 Strut 250 24V DC 1000N	700-950mm Strut, 250mm stroke, 24V DC, 1000N
1345627	750-1060 Strut 310 24V DC 1000N	750-1060mm Strut, 310mm stroke, 24V DC, 1000N
1345626	850-1160 Strut 310 24V DC 1000N	850-1160mm Strut, 310mm stroke, 24V DC, 1000N
1345625	850-1260 Strut 410 24V DC 1000N	850-1260mm Strut, 410mm stroke, 24V DC, 1000N
1345624	950-1360 Strut 410 24V DC 1000N	950-1360mm Strut, 410mm stroke, 24V DC, 1000N
1345623	1050-1460 Strut 410 24V DC 1000N	1050-1460mm Strut, 410mm stroke, 24V DC, 1000N
1345622	1150-1560 Strut 410 24V DC 1000N	1150-1560mm Strut, 410mm stroke, 24V DC, 1000N



C1F2M TEST LEAD
On-site test unit



Louvre OCP
Over Current Protection
*Included with Auto Louvre



Auto Louvre
102mm Blade



Auto Louvre
152mm Blade



S102P
Chainwinder SYNC Lead



SCE100s
Electric Winder 100mm chain



SCE300s
Electric Winder 300mm chain



LCD300
Electric Winder - 300mm chain

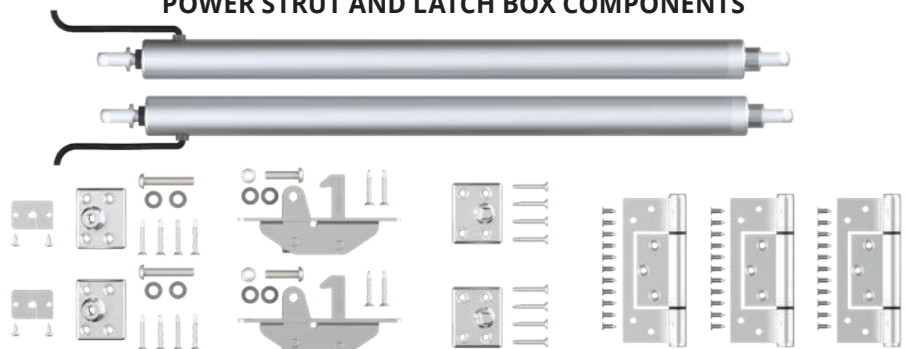


TCE300
Twin chain electric winder - 300mm chain



S102HL
Power Strut SYNC Lead

POWER STRUT AND LATCH BOX COMPONENTS



**TOP MOUNT
POST**

**LATCH
BOX**

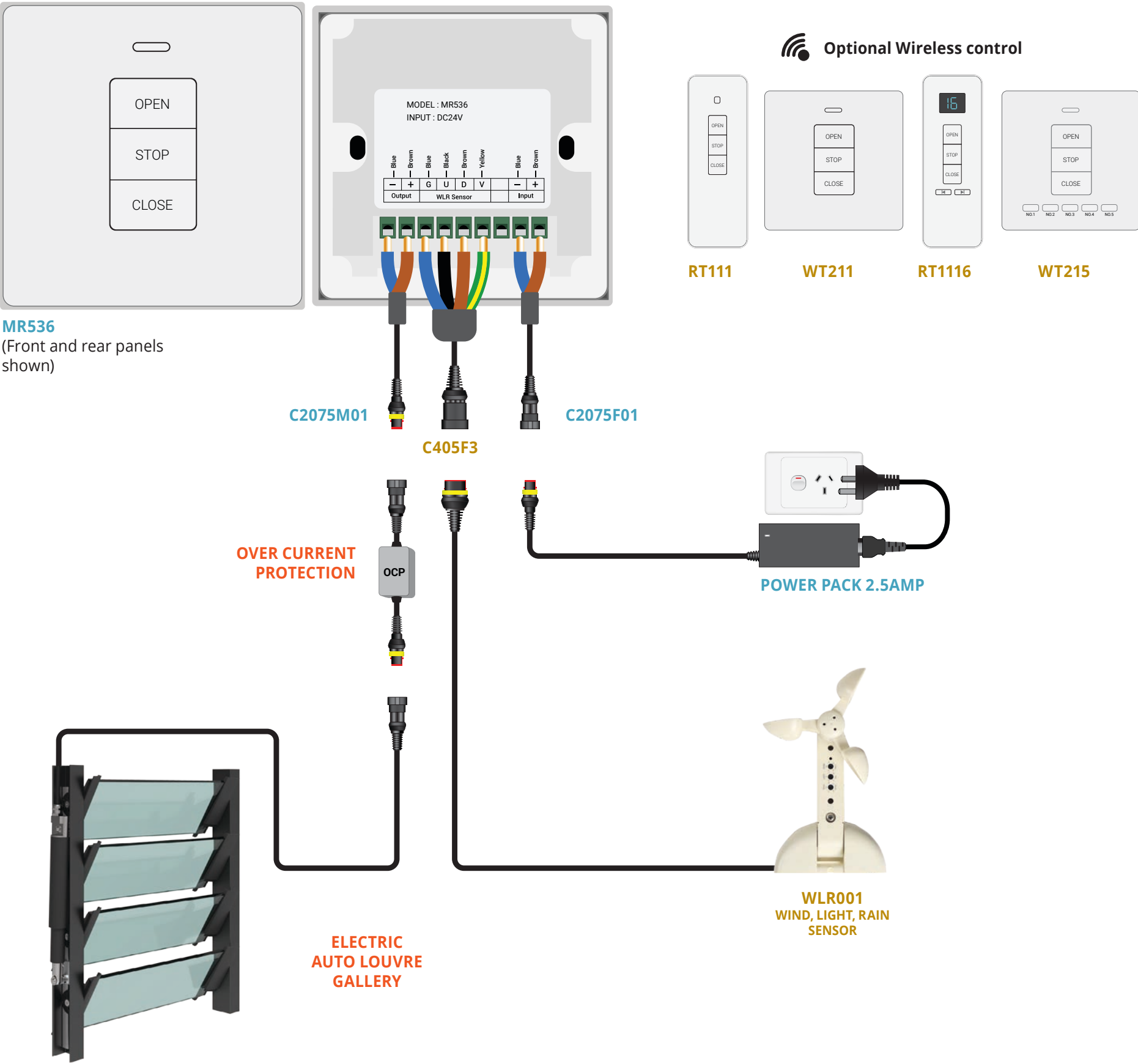
**BOTTOM
LATCH POST**

**OPTIONAL
HINGES**

1 WINDOW
LOUVRE GALLERY
INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

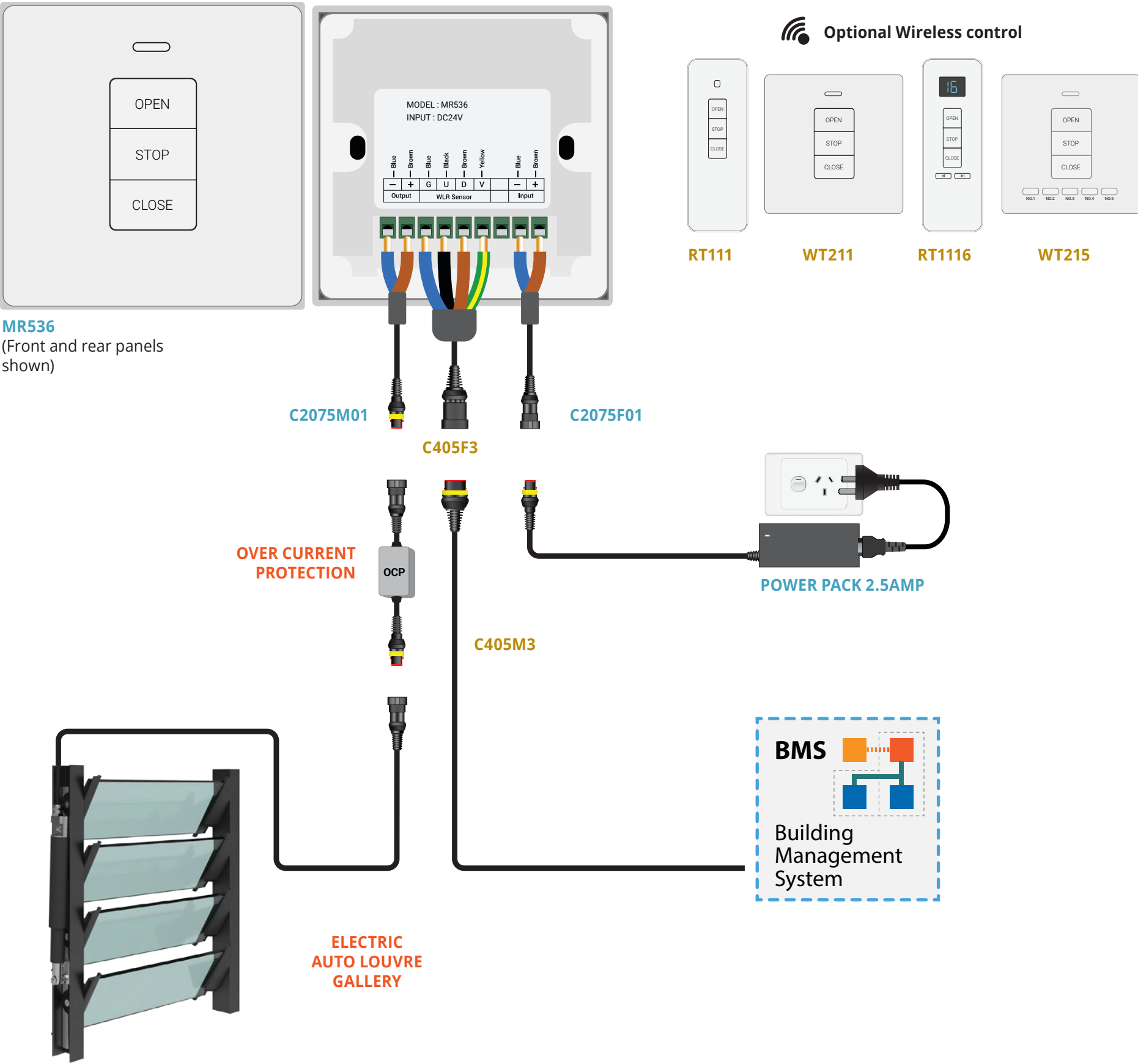
Part Number	Product Code	Description	
1345580	MR536	1-Channel Controller, 24V DC, 10Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 1
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
1345587	RT111	Wireless remote control, 433.92MHz	Optional
1345617	RT1116	16-Channel wireless remote, 33.92MHz	Optional
1345589	WT211	Wireless wall mounted switch, 433.92MHz	Optional
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	Optional
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



1 WINDOW
LOUVRE GALLERY
WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345580	MR536	1-Channel Controller, 24V DC, 10Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 1
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
1345587	RT111	Wireless remote control, 433.92MHz	Optional
1345617	RT1116	16-Channel wireless remote, 33.92MHz	Optional
1345589	WT211	Wireless wall mounted switch, 433.92MHz	Optional
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	Optional
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires at least			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



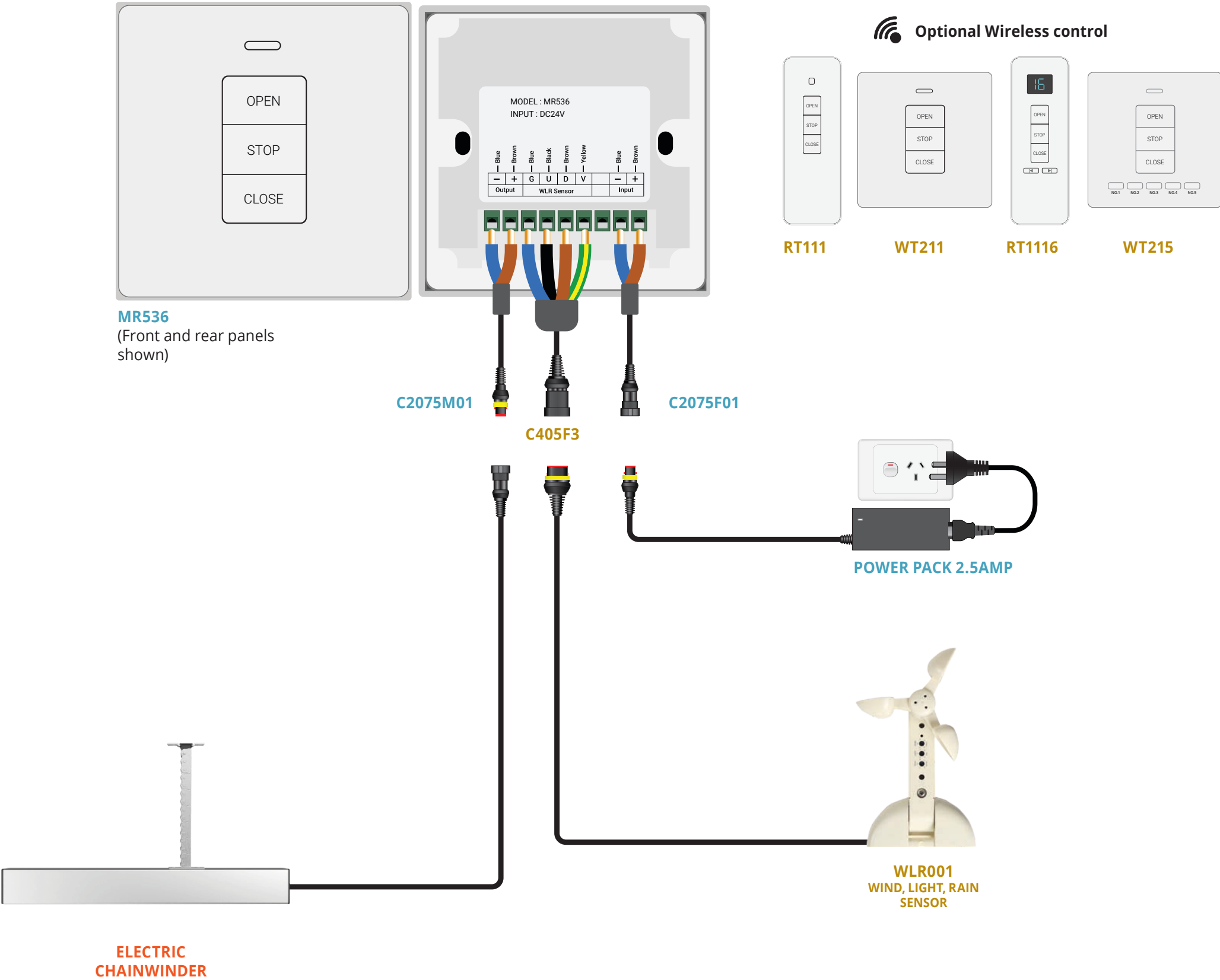
1 WINDOW

AWNING CHAINWINDER

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345580	MR536	1-Channel Controller, 24V DC, 10Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 1
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
1345587	RT111	Wireless remote control, 433.92MHz	Optional
1345617	RT1116	16-Channel wireless remote, 33.92MHz	Optional
1345589	WT211	Wireless wall mounted switch, 433.92MHz	Optional
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	Optional
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



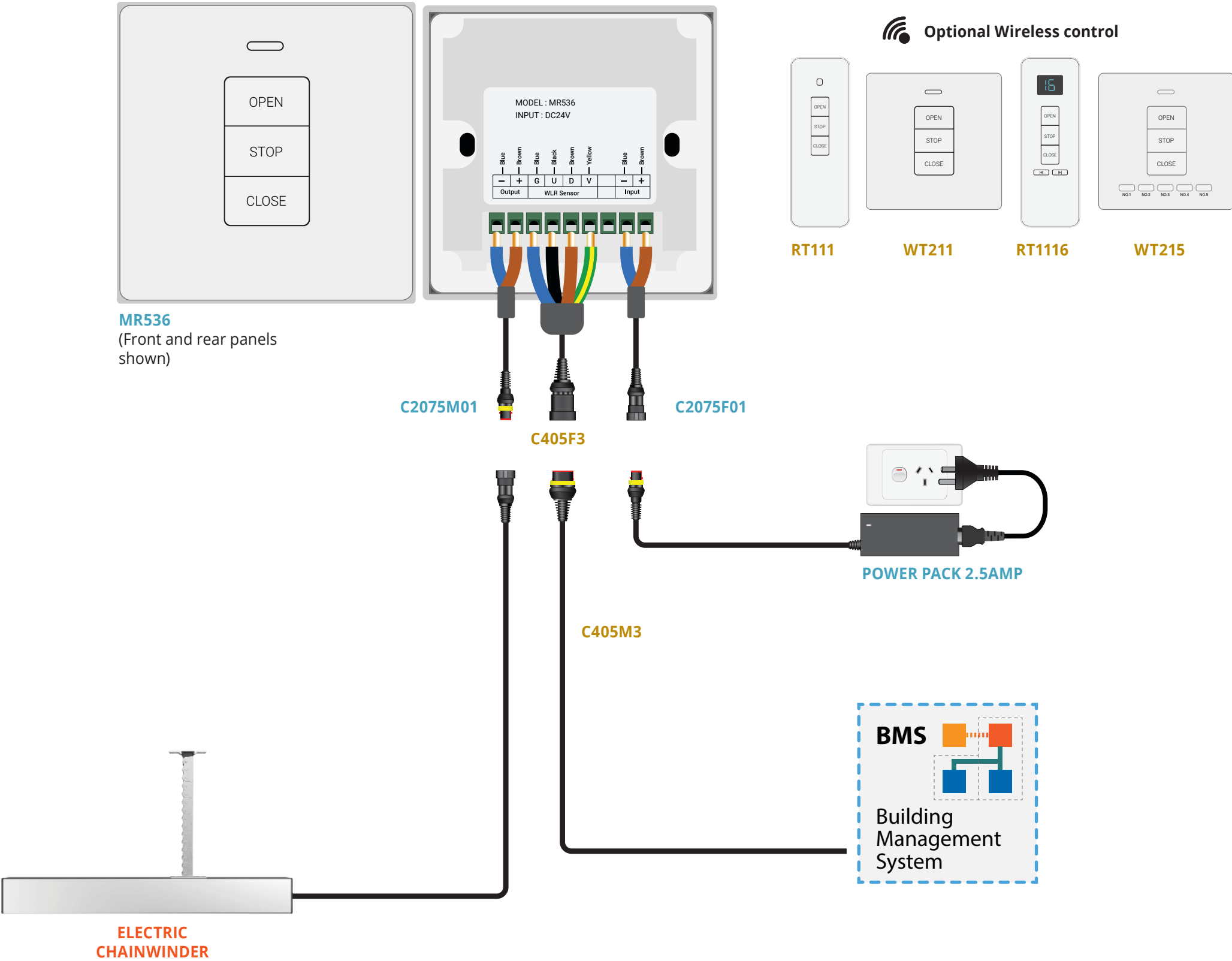
1 WINDOW

AWNING CHAINWINDER

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345580	MR536	1-Channel Controller, 24V DC, 10Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 1
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
1345587	RT111	Wireless remote control, 433.92MHz	Optional
1345617	RT1116	16-Channel wireless remote, 33.92MHz	Optional
1345589	WT211	Wireless wall mounted switch, 433.92MHz	Optional
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	Optional
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires at least			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			

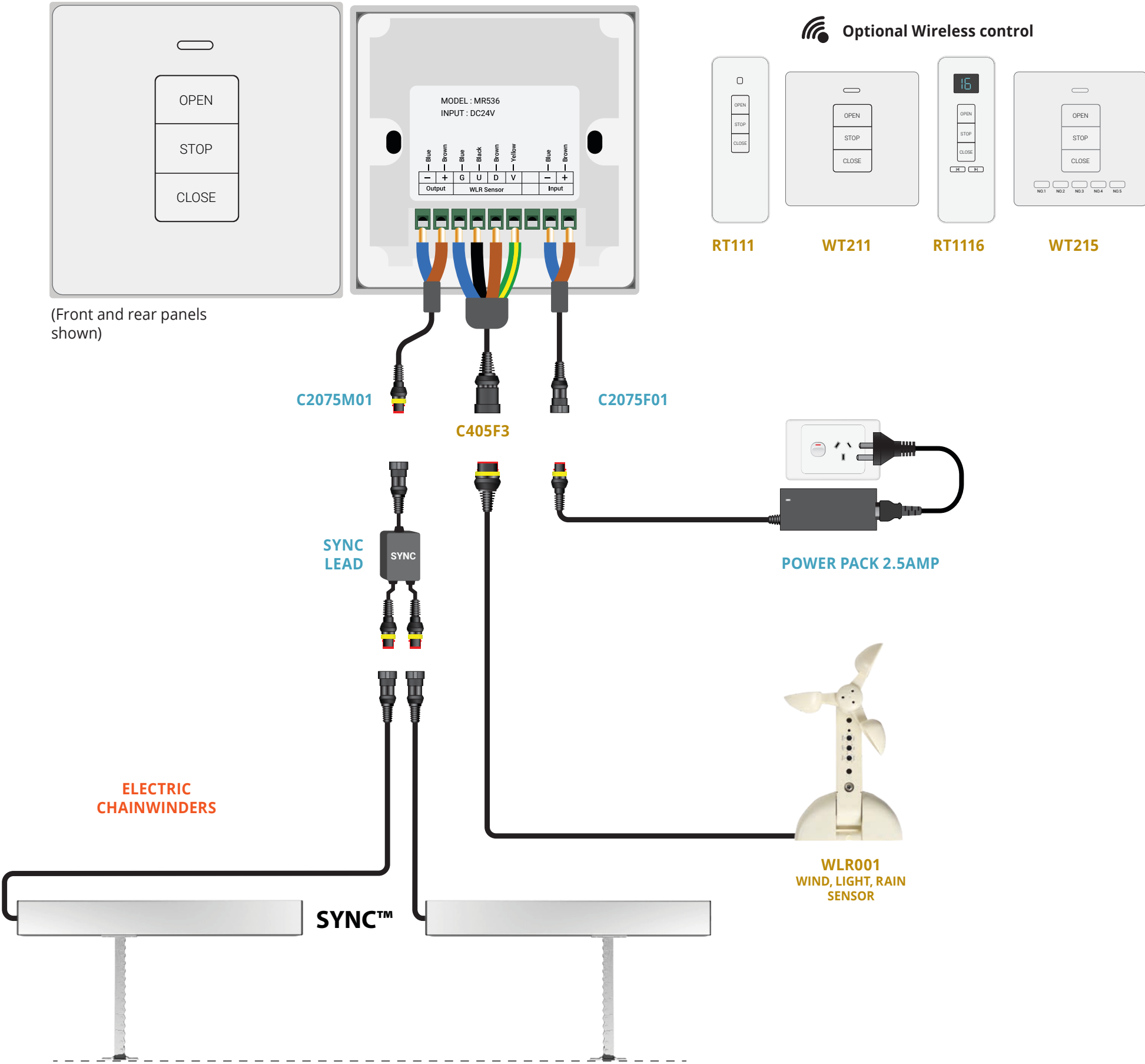


1 WINDOW

1x2 SYNC AWNING CHAINWINDERS

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS			
Part Number	Product Code	Description	
1345580	MR536	1-Channel Controller, 24V DC, 10Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 1
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345586	S102P SYNC	Synchronizer control unit	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
1345587	RT111	Wireless remote control, 433.92MHz	Optional
1345617	RT1116	16-Channel wireless remote, 33.92MHz	Optional
1345589	WT211	Wireless wall mounted switch, 433.92MHz	Optional
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	Optional
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



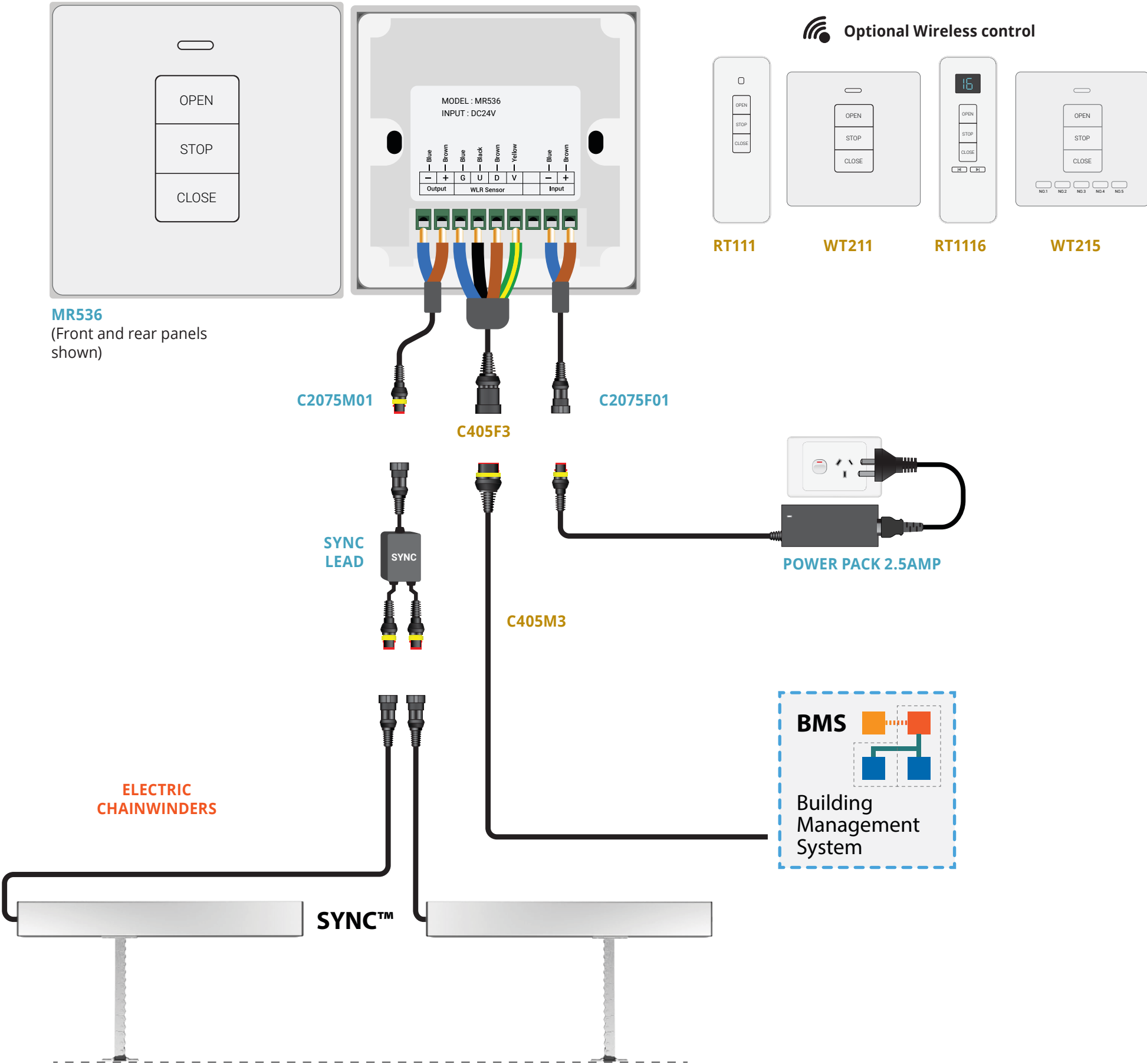
1 WINDOW

1x2 SYNC AWNING CHAINWINDERS

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345580	MR536	1-Channel Controller, 24V DC, 10Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 1
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345586	S102P SYNC	Synchronizer control unit	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
1345587	RT111	Wireless remote control, 433.92MHz	Optional
1345617	RT1116	16-Channel wireless remote, 33.92MHz	Optional
1345589	WT211	Wireless wall mounted switch, 433.92MHz	Optional
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	Optional
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires at least			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



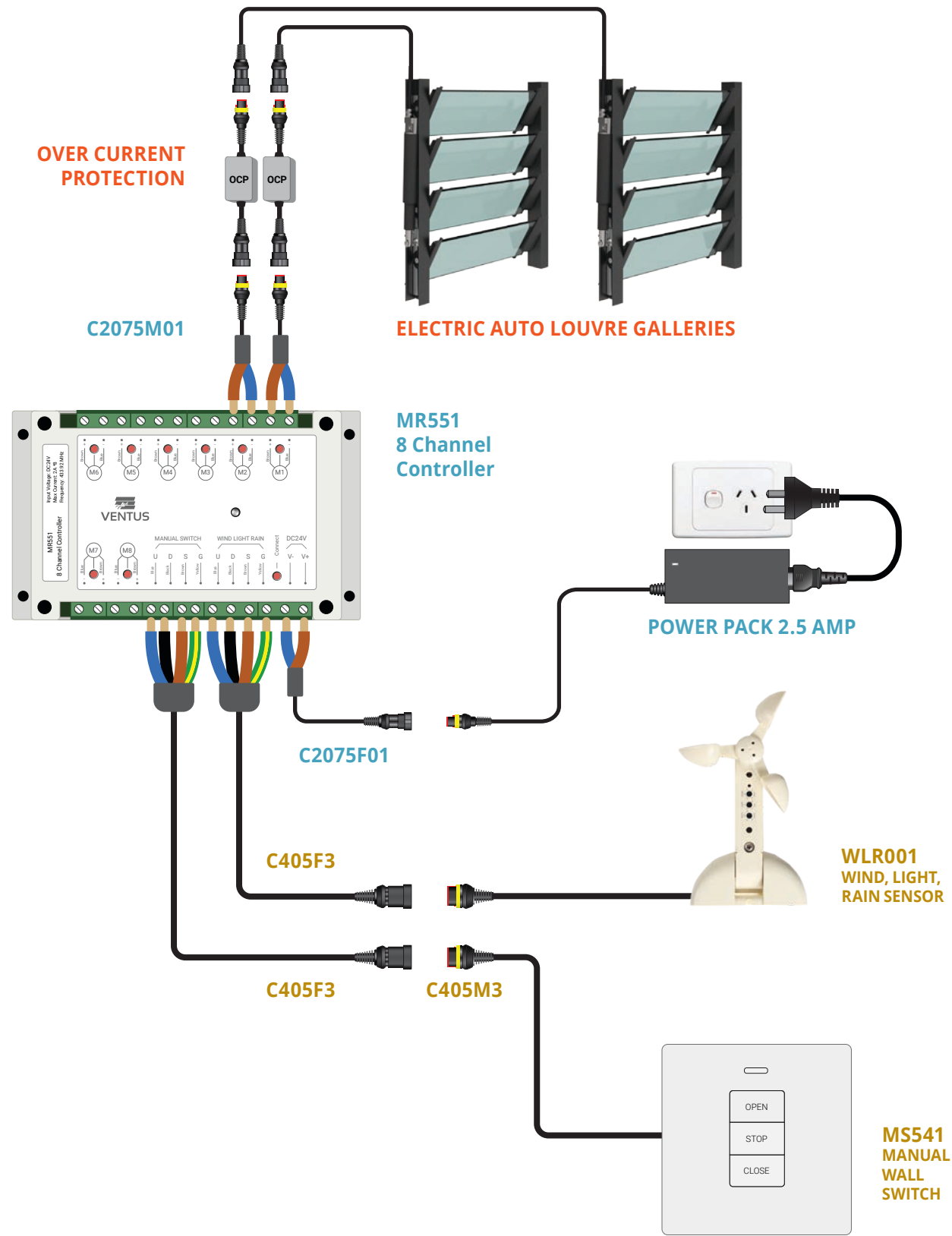
2 WINDOWS

LOUVRE GALLERIES

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 2
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



Optional Wireless control



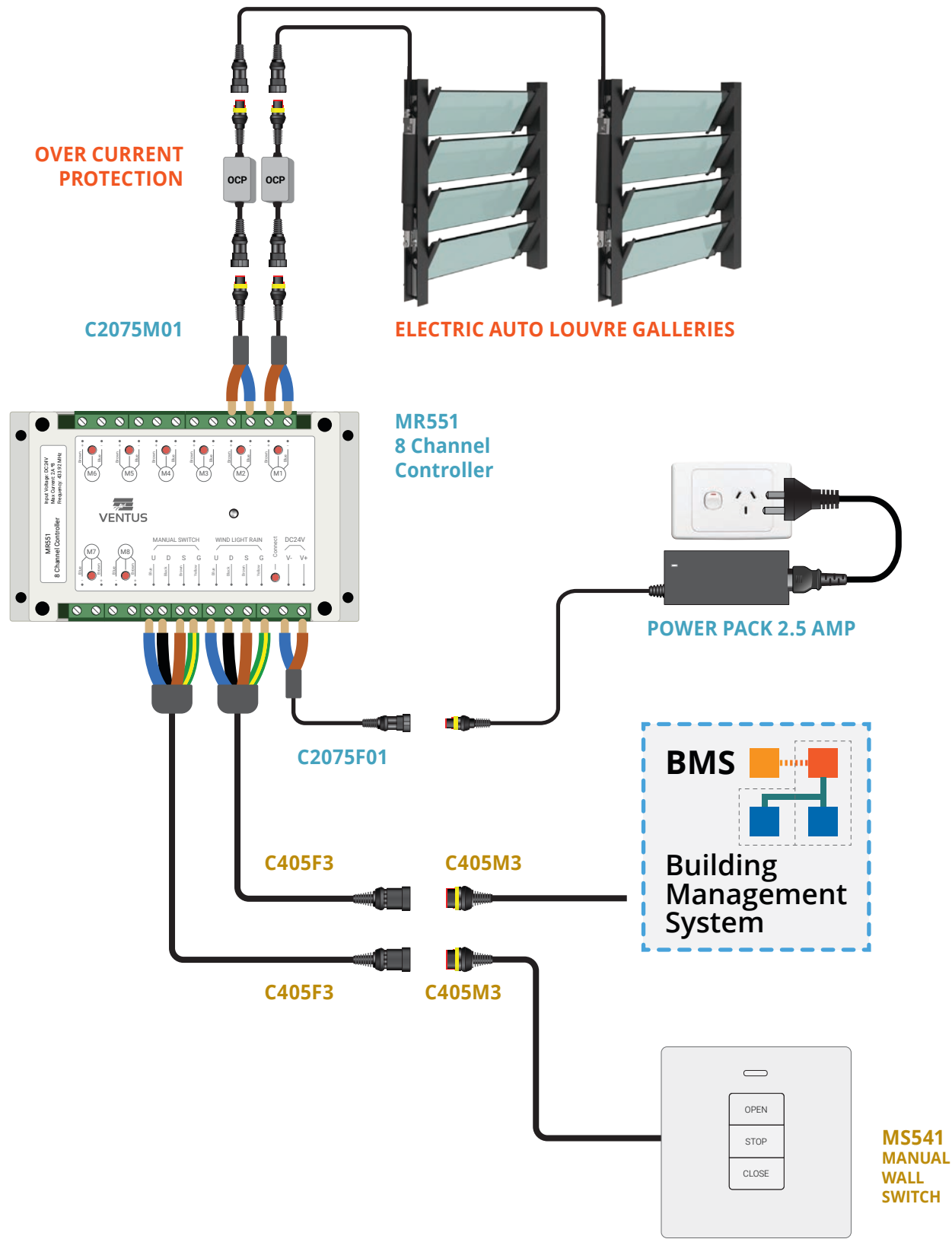
2 WINDOWS

LOUVRE GALLERIES

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 2
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



Optional Wireless control



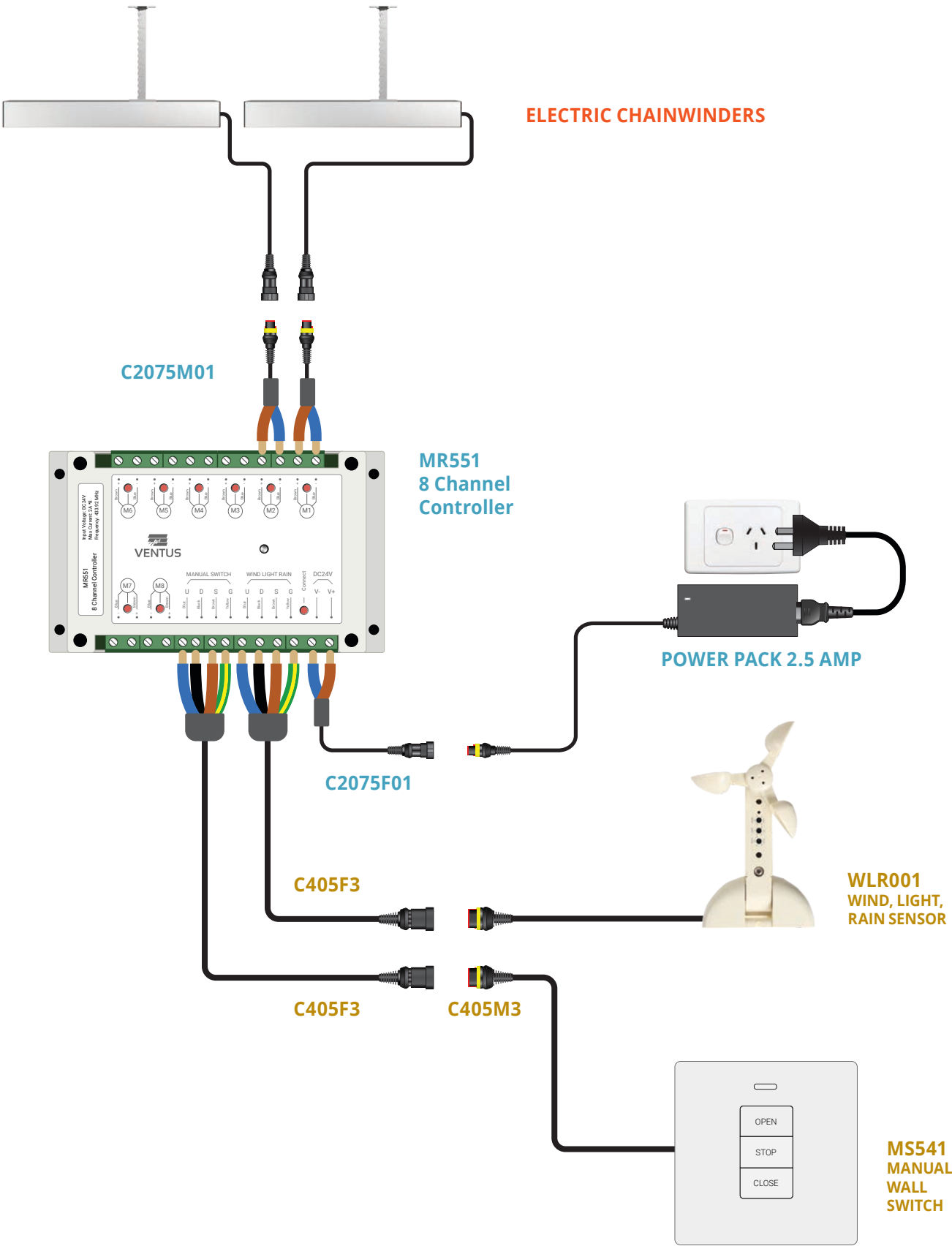
2 WINDOWS

AWNING CHAINWINDERS

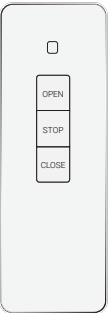
INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

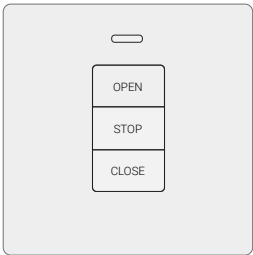
Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 2
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



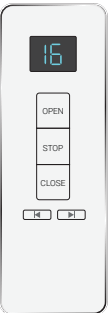
Optional Wireless control



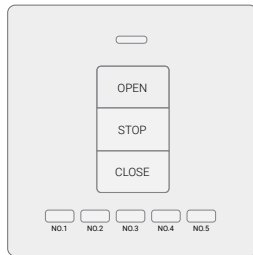
RT111



WT211



RT1116



WT215

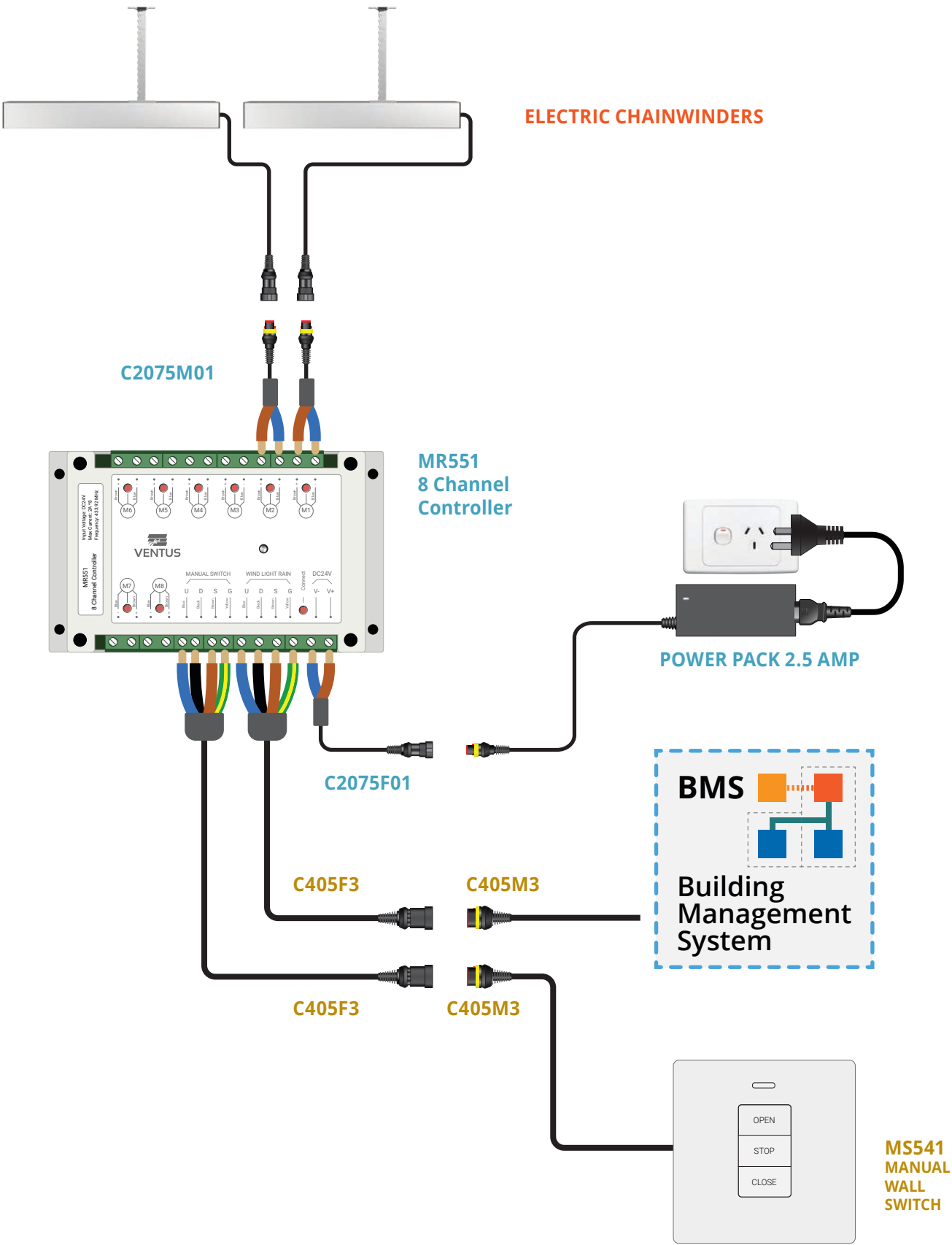
2 WINDOWS

AWNING CHAINWINDERS

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 2
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



Optional Wireless control



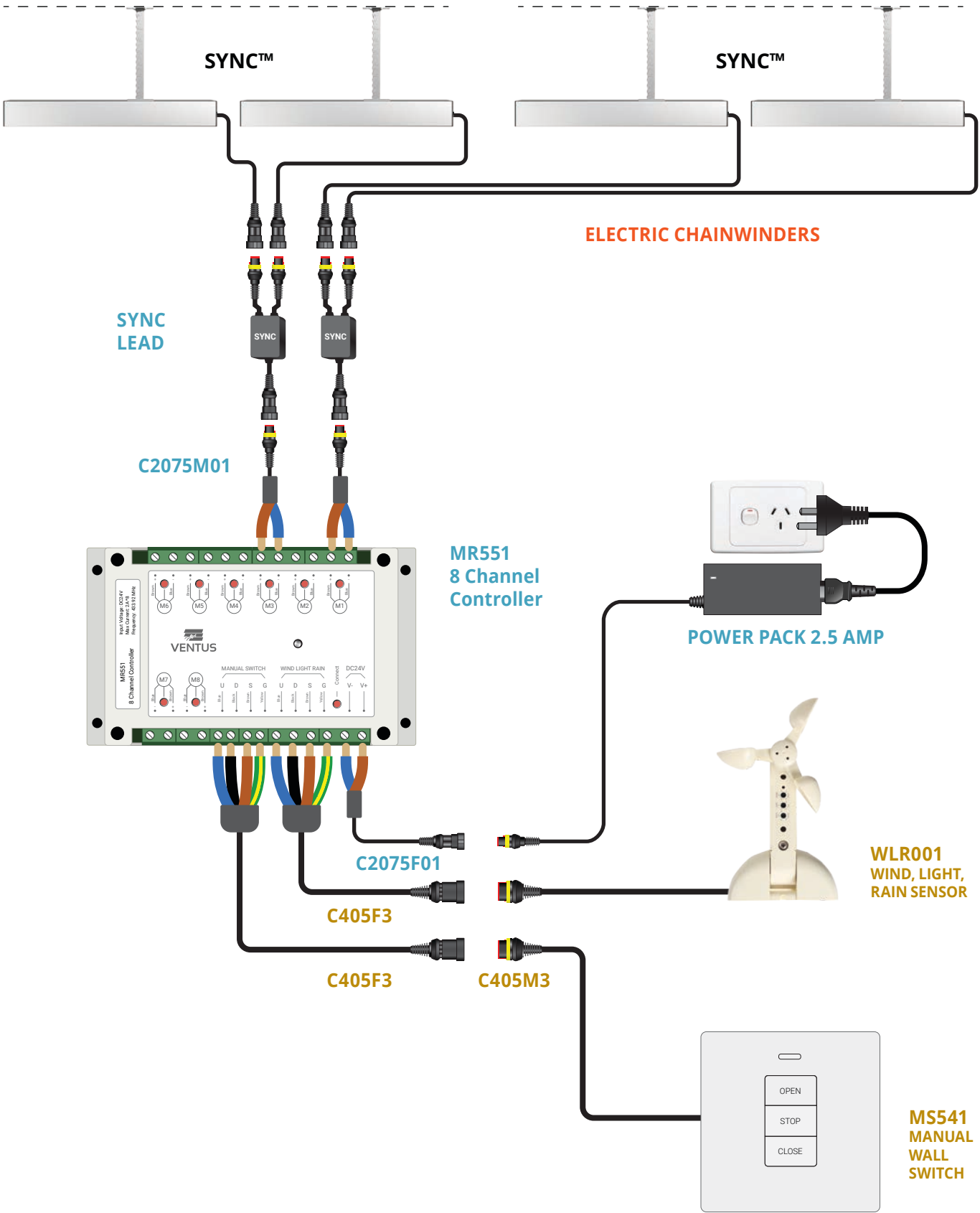
2 WINDOWS

2x2 SYNC AWNING CHAINWINDERS

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 2
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345586	S102P SYNC	Synchronizer control unit	Required x 2
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



Optional Wireless control



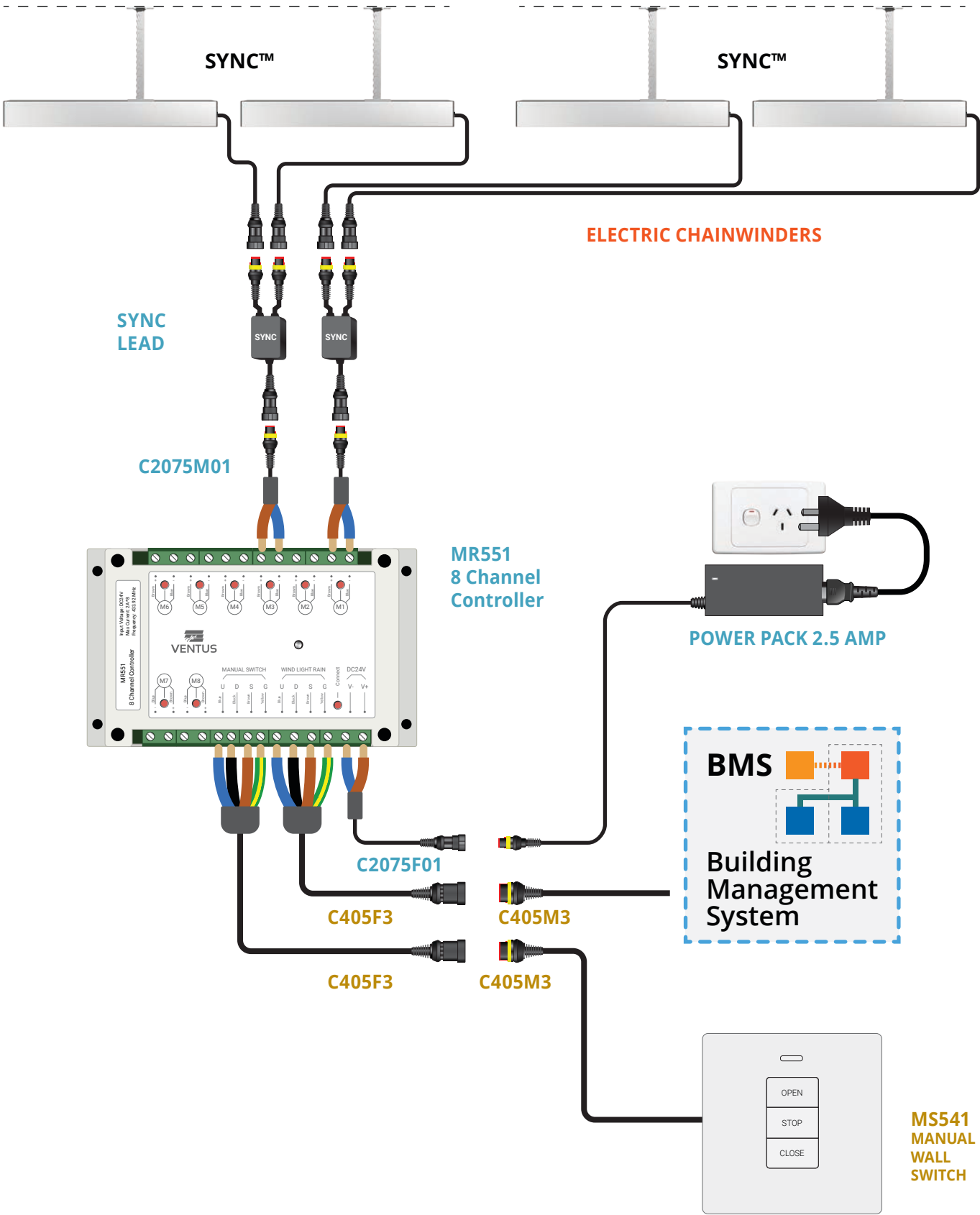
2 WINDOWS

2x2 SYNC AWNING CHAINWINDERS

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 2
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345586	S102P SYNC	Synchronizer control unit	Required x 2
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



Optional Wireless control



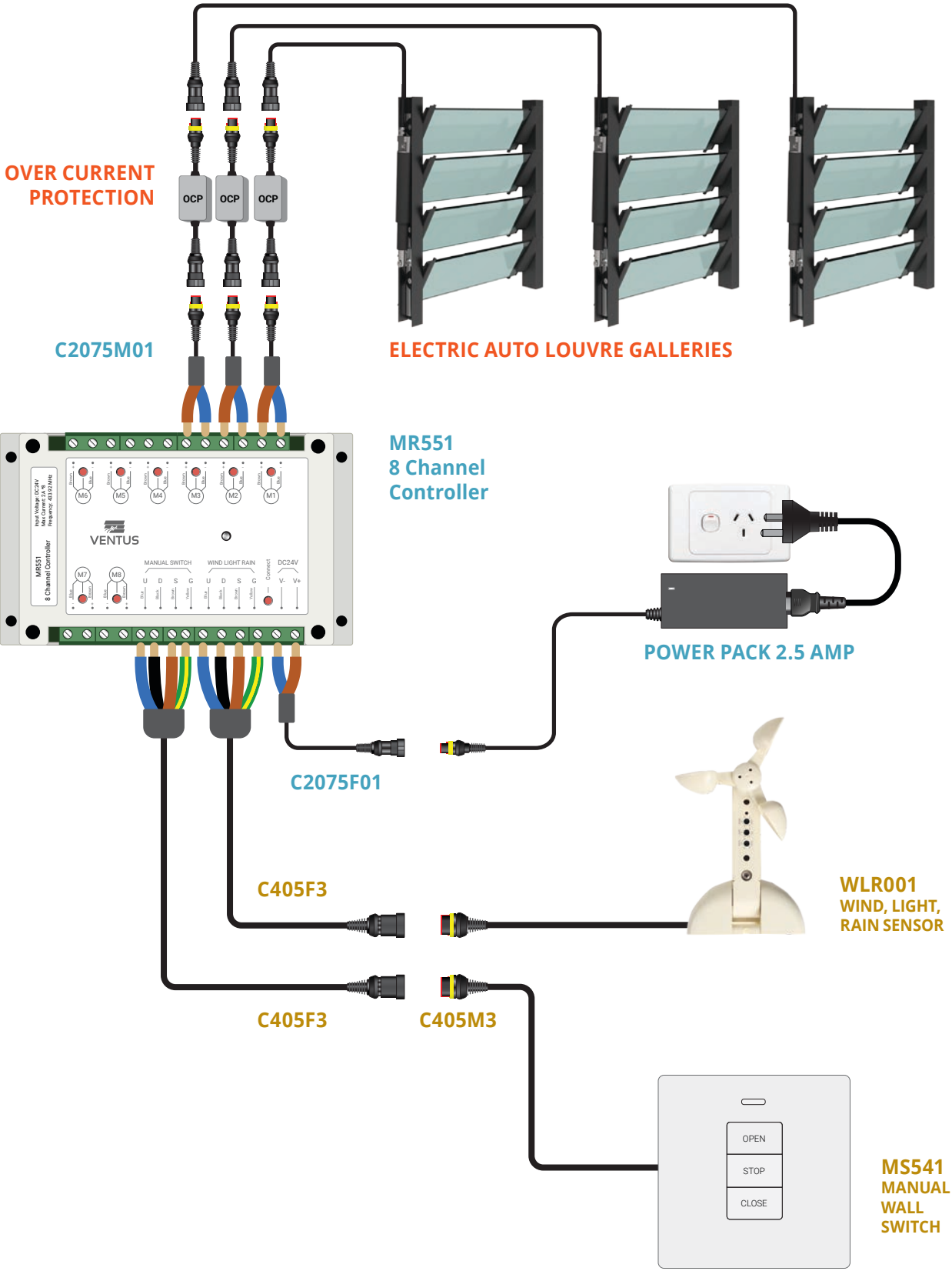
3 WINDOWS

LOUVRE GALLERIES

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 3
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



Optional Wireless control



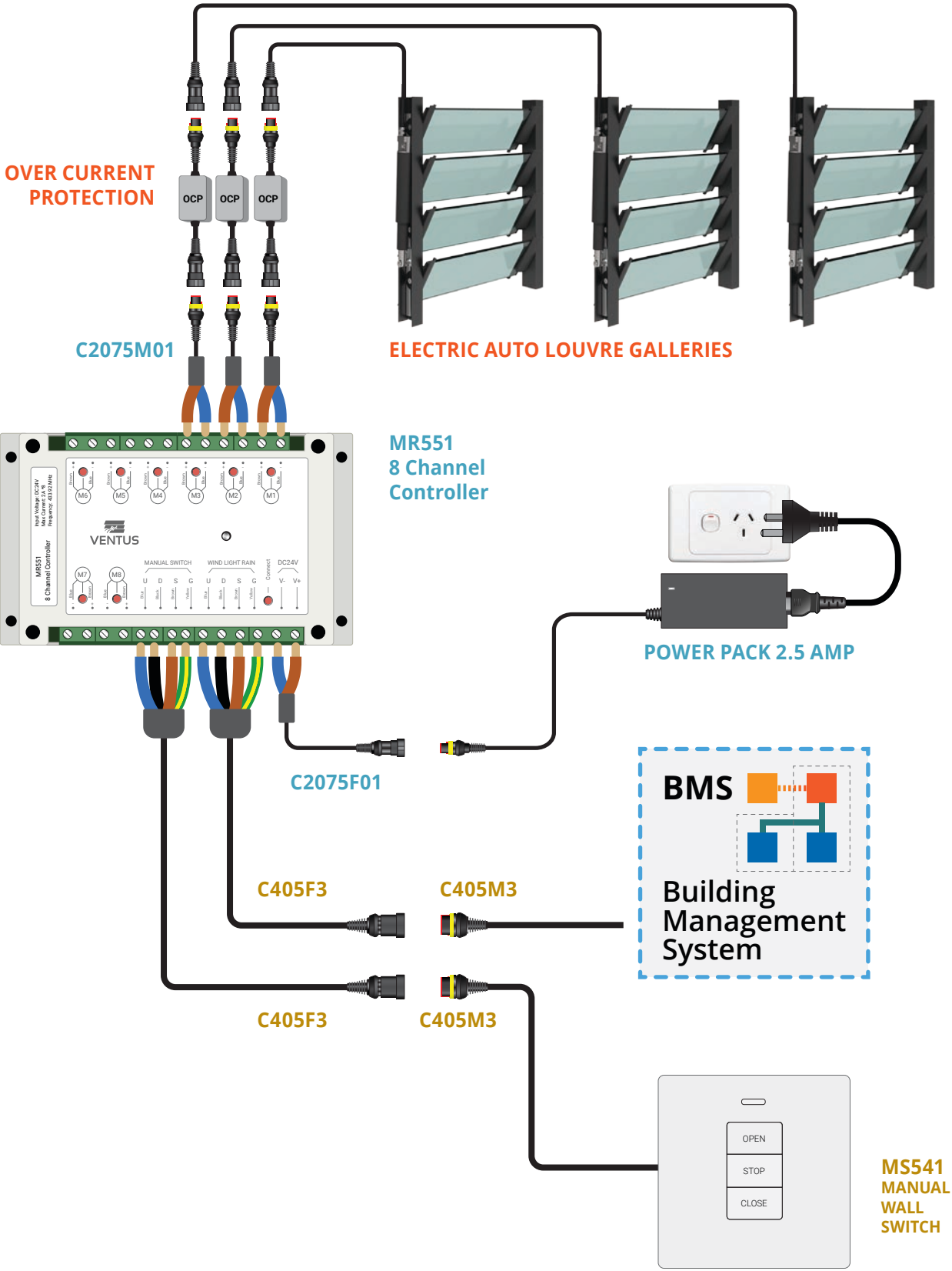
3 WINDOWS

LOUVRE GALLERIES

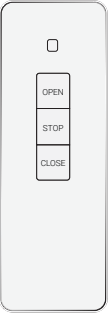
WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

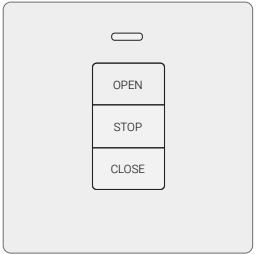
Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 3
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



Optional Wireless control



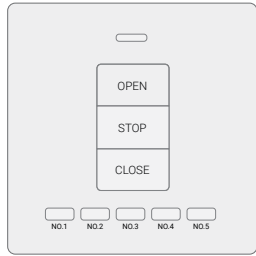
RT111



WT211



RT1116



WT215

MS541
MANUAL
WALL
SWITCH

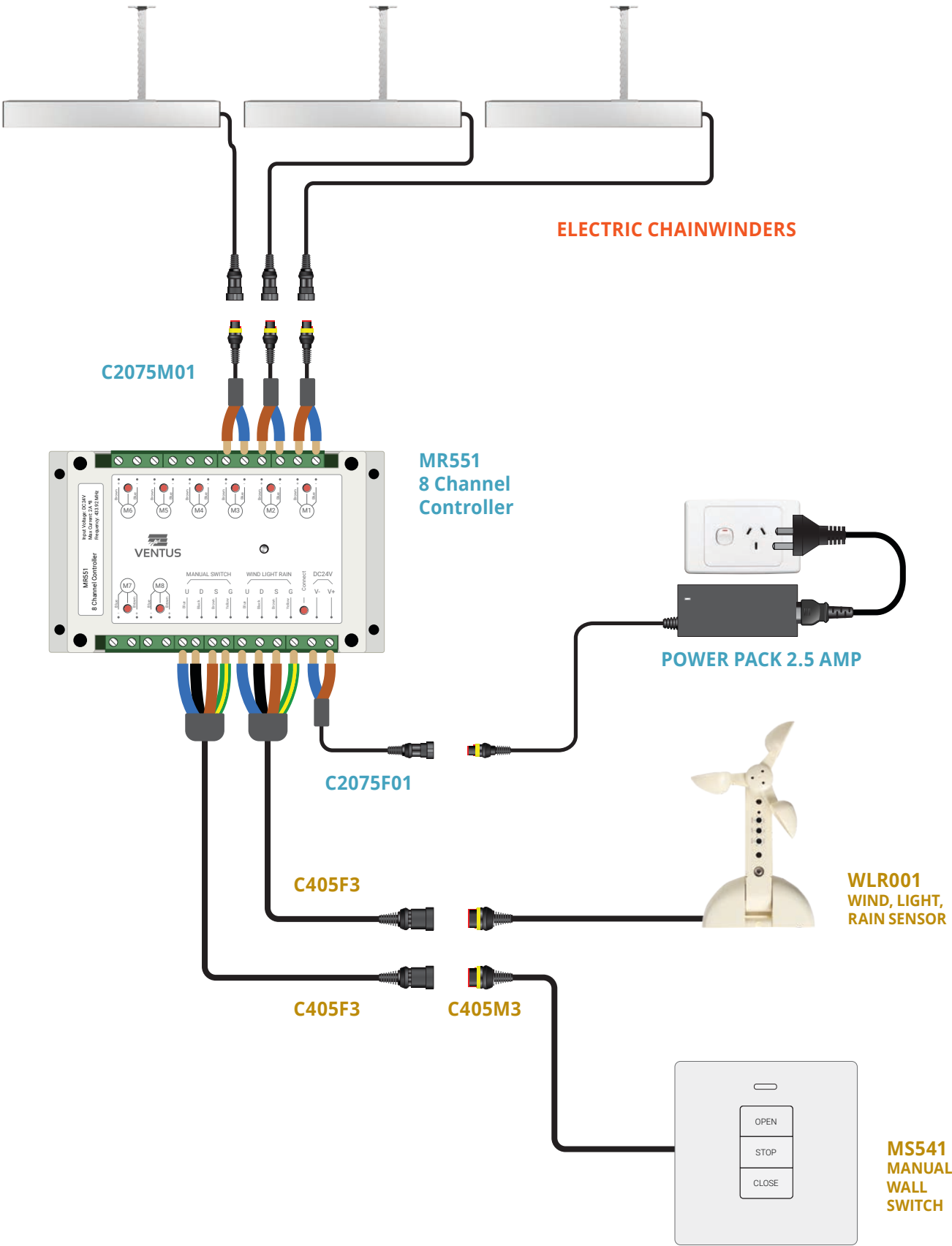
3 WINDOWS

AWNING CHAINWINDERS

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 3
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



Optional Wireless control



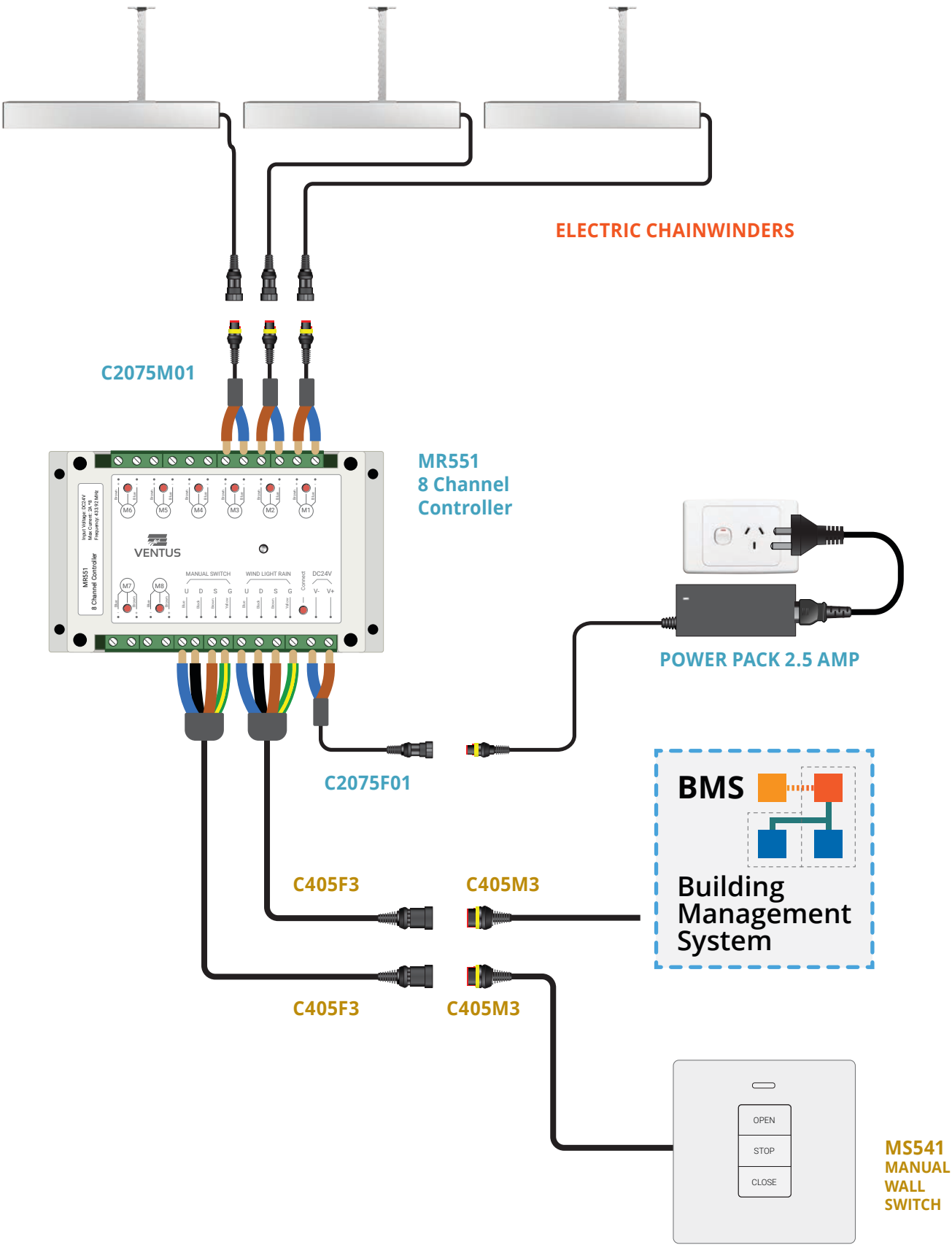
3 WINDOWS

AWNING CHAINWINDERS

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 3
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



Optional Wireless control



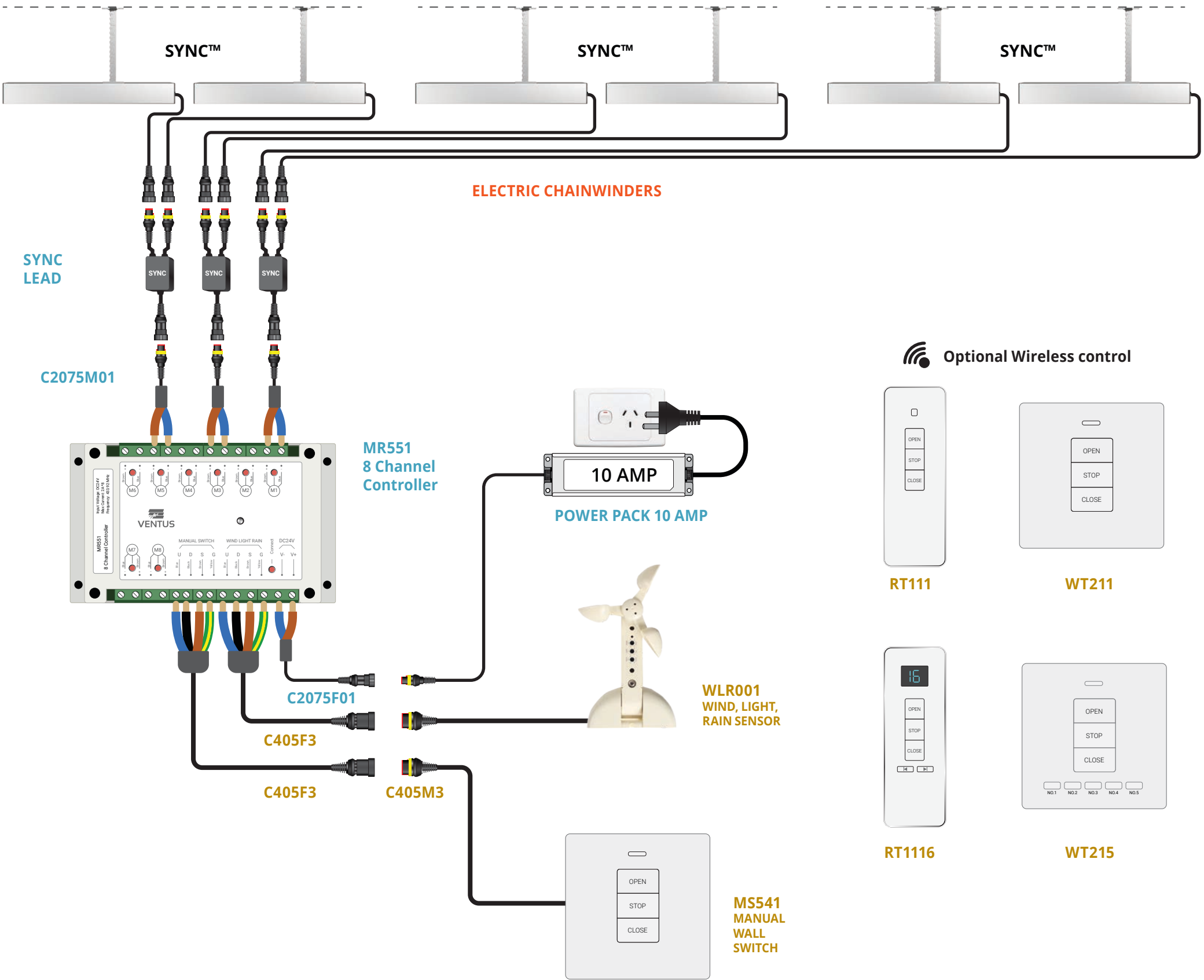
3 WINDOWS

3x2 SYNC AWNING CHAINWINDERS

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 3
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345586	S102P SYNC	Synchronizer control unit	Required x 3
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



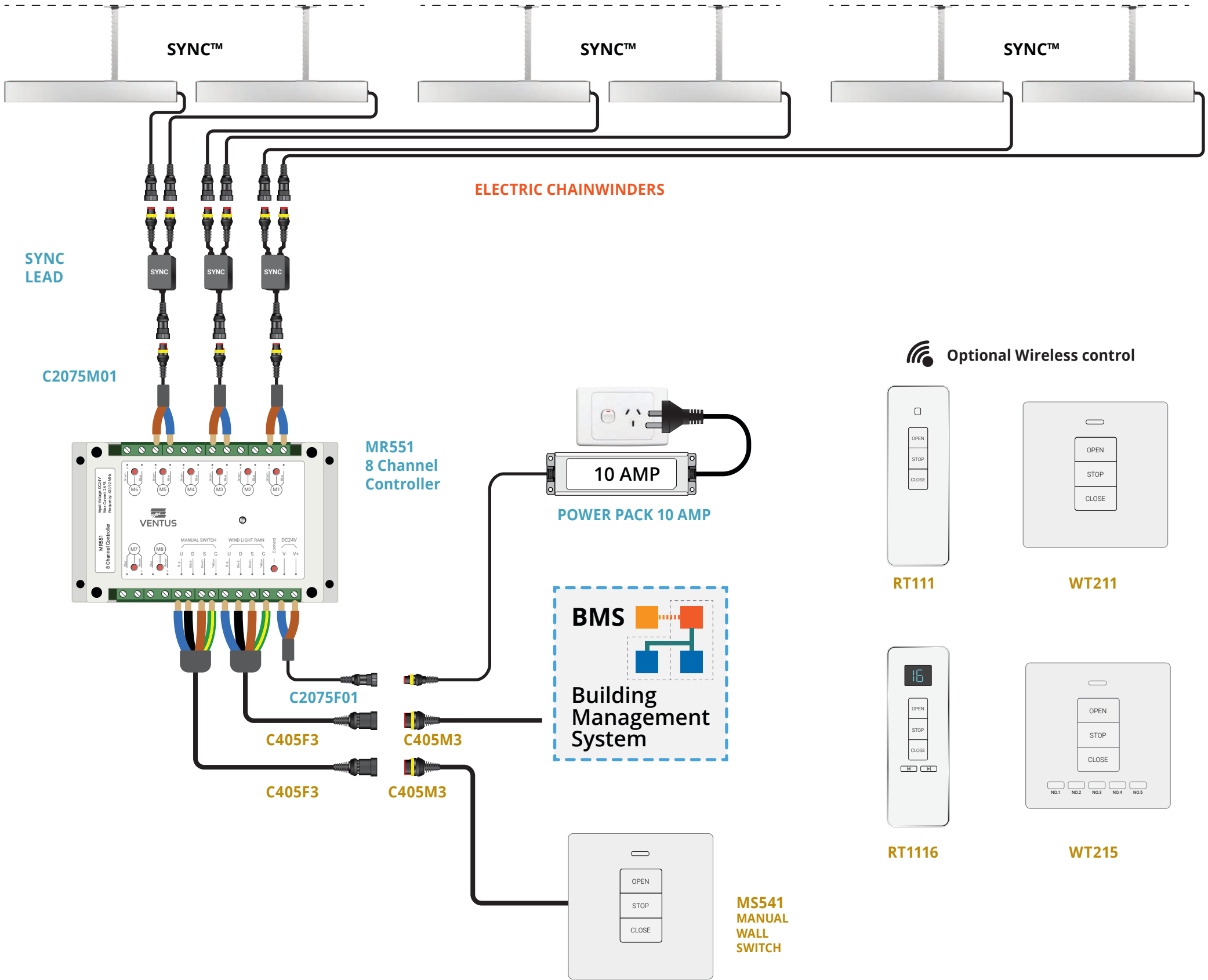
3 WINDOWS

3x2 SYNC AWNING CHAINWINDERS

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 3
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345586	S102P SYNC	Synchronizer control unit	Required x 3
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



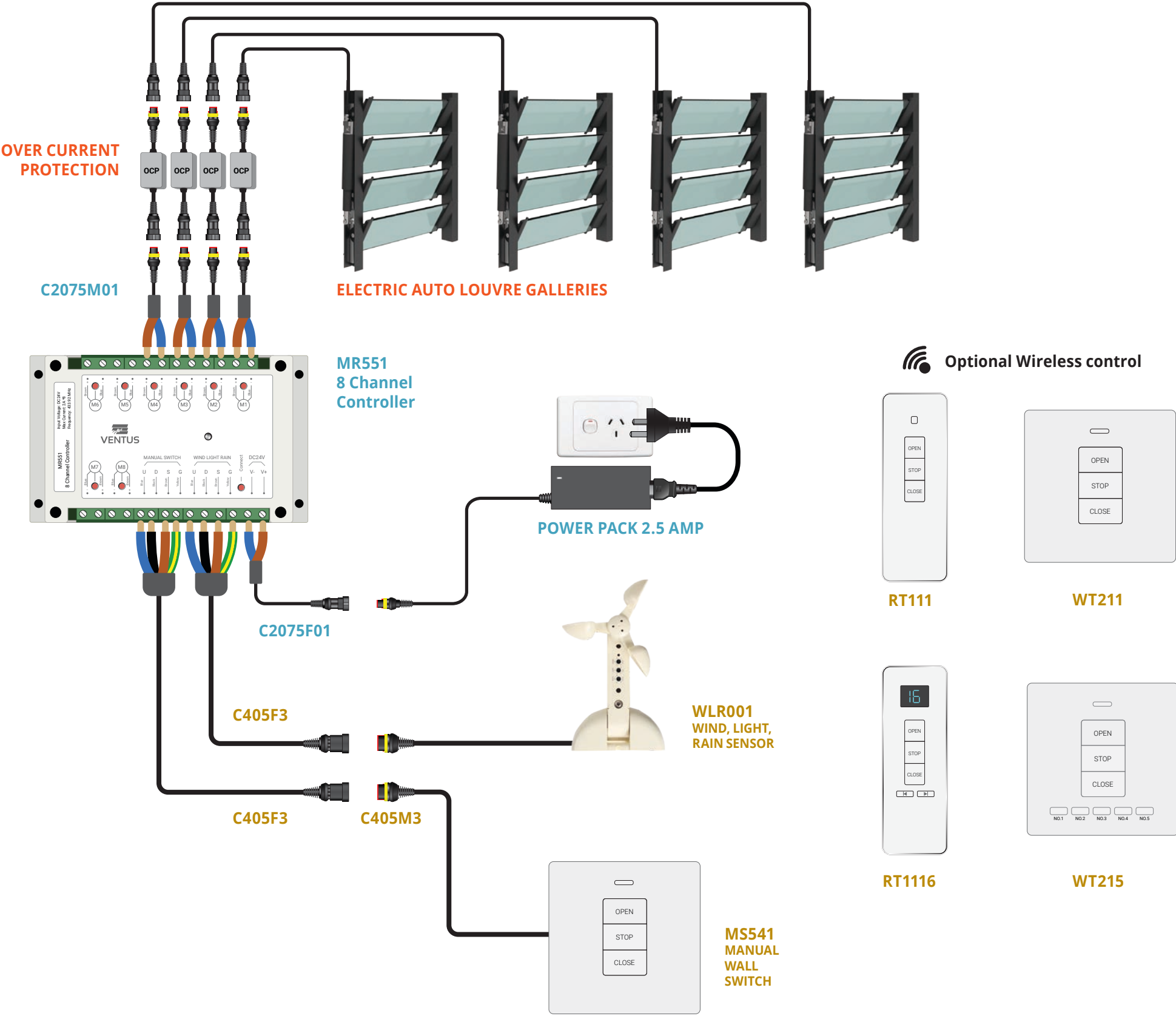
4 WINDOWS

LOUVRE GALLERIES

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 4
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



LOUVRE GALLERIES

WITH BMS INTEGRATION

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 4
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



C2075M01

ELECTRIC AUTO LOUVRE GALLERIES

MR551 8 Channel Controller

POWER PACK 2.5 AMP

C2075F01

C405F3

C405M3

C405F3

C405M3

 Optional Wireless control

RT111

WT211

RT1116

WT215

**MS541
MANUAL
WALL
SWITCH**

4 WINDOWS

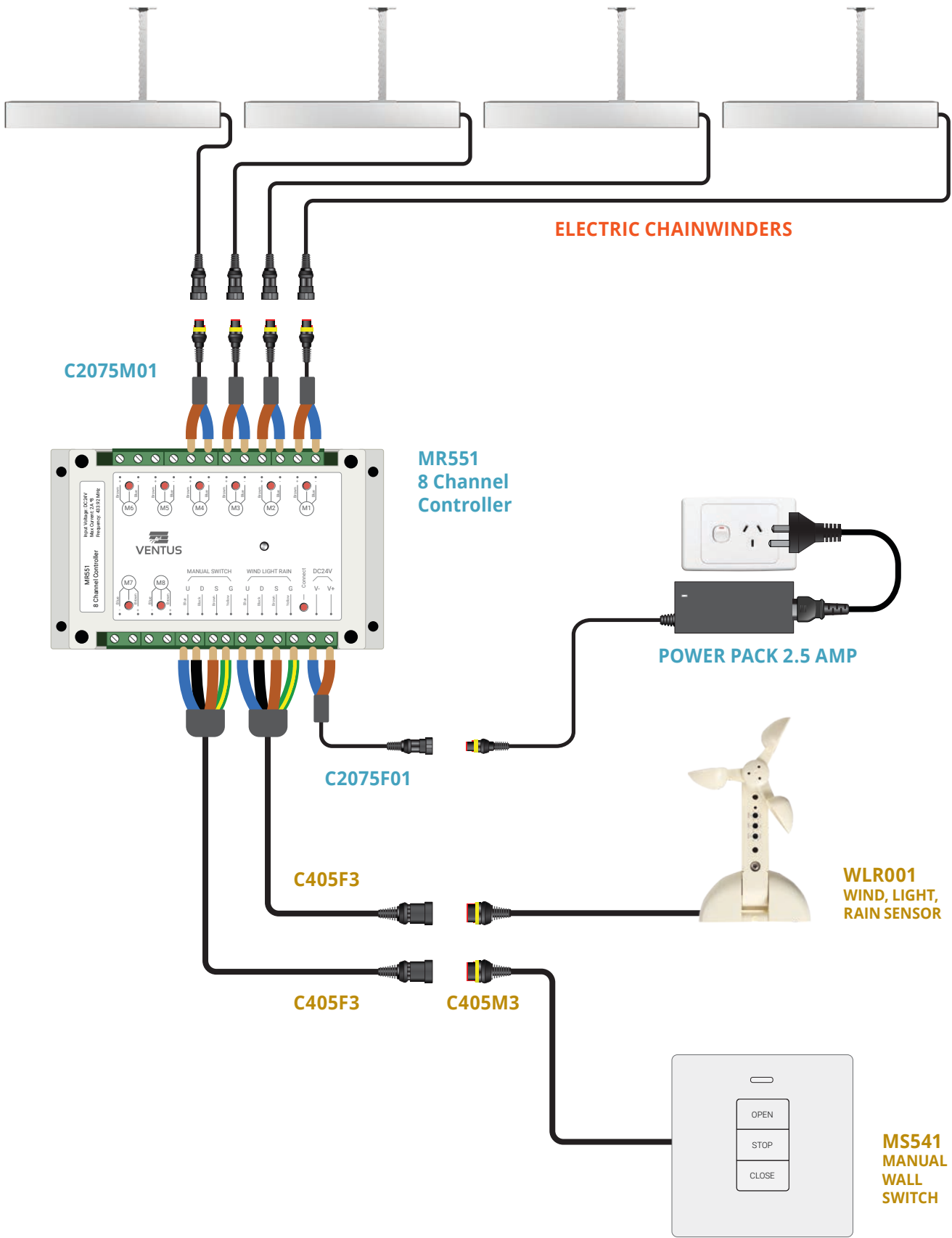
AWNING CHAINWINDERS

INSTALLATION VIA GPO

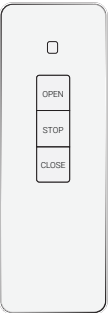
MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 4
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT

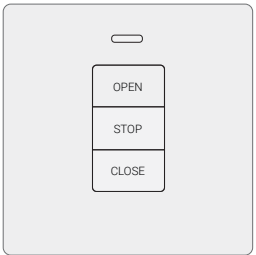
Black powder coat chainwinders available, see page 1.12 for Part Numbers



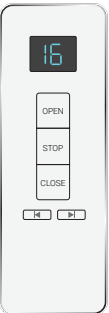
Optional Wireless control



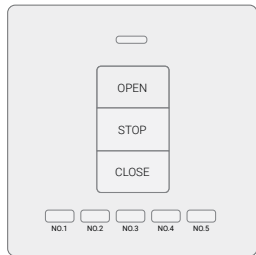
RT111



WT211



RT1116



WT215

MS541
MANUAL
WALL
SWITCH

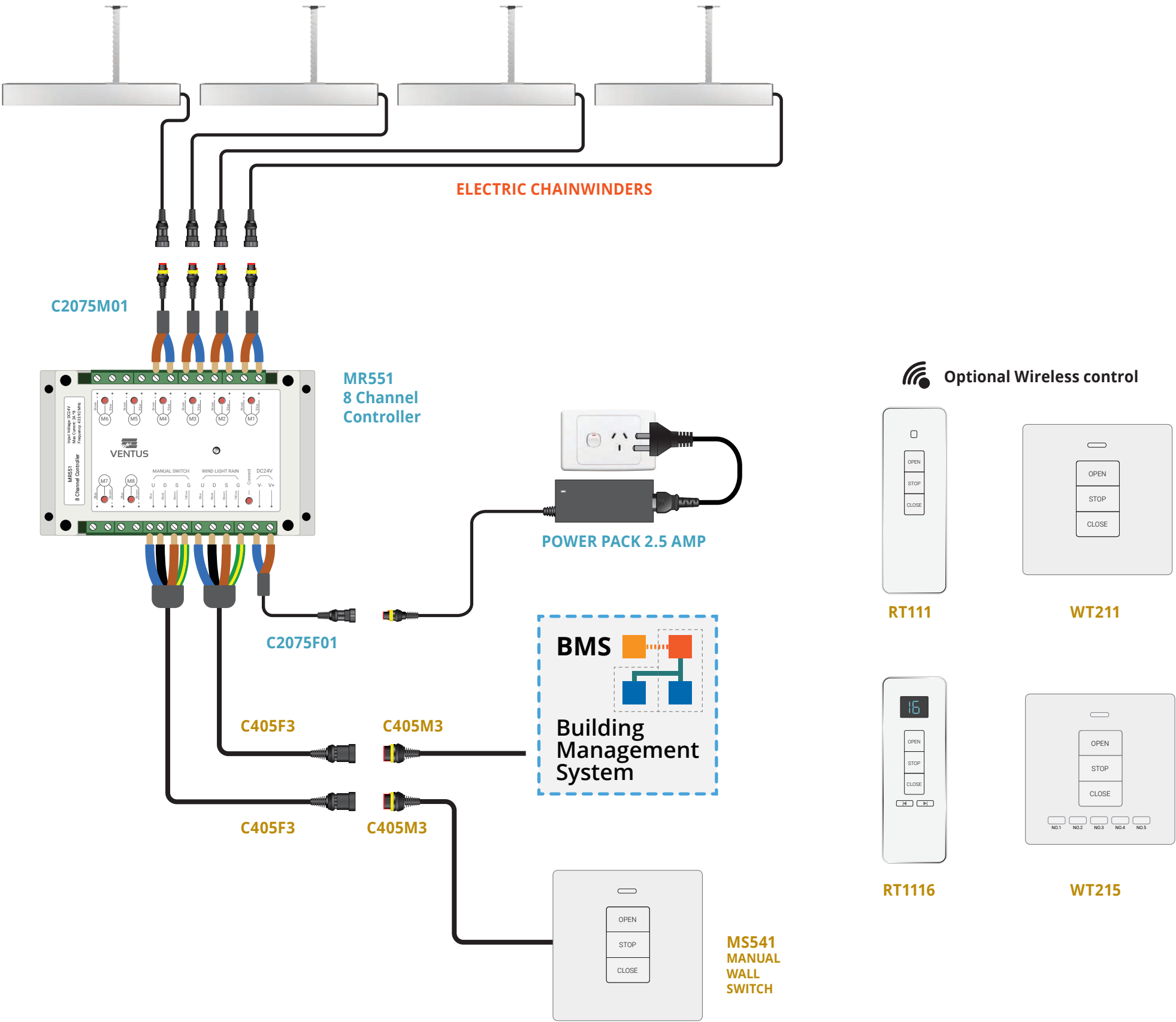
4 WINDOWS

AWNING CHAINWINDERS

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 4
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



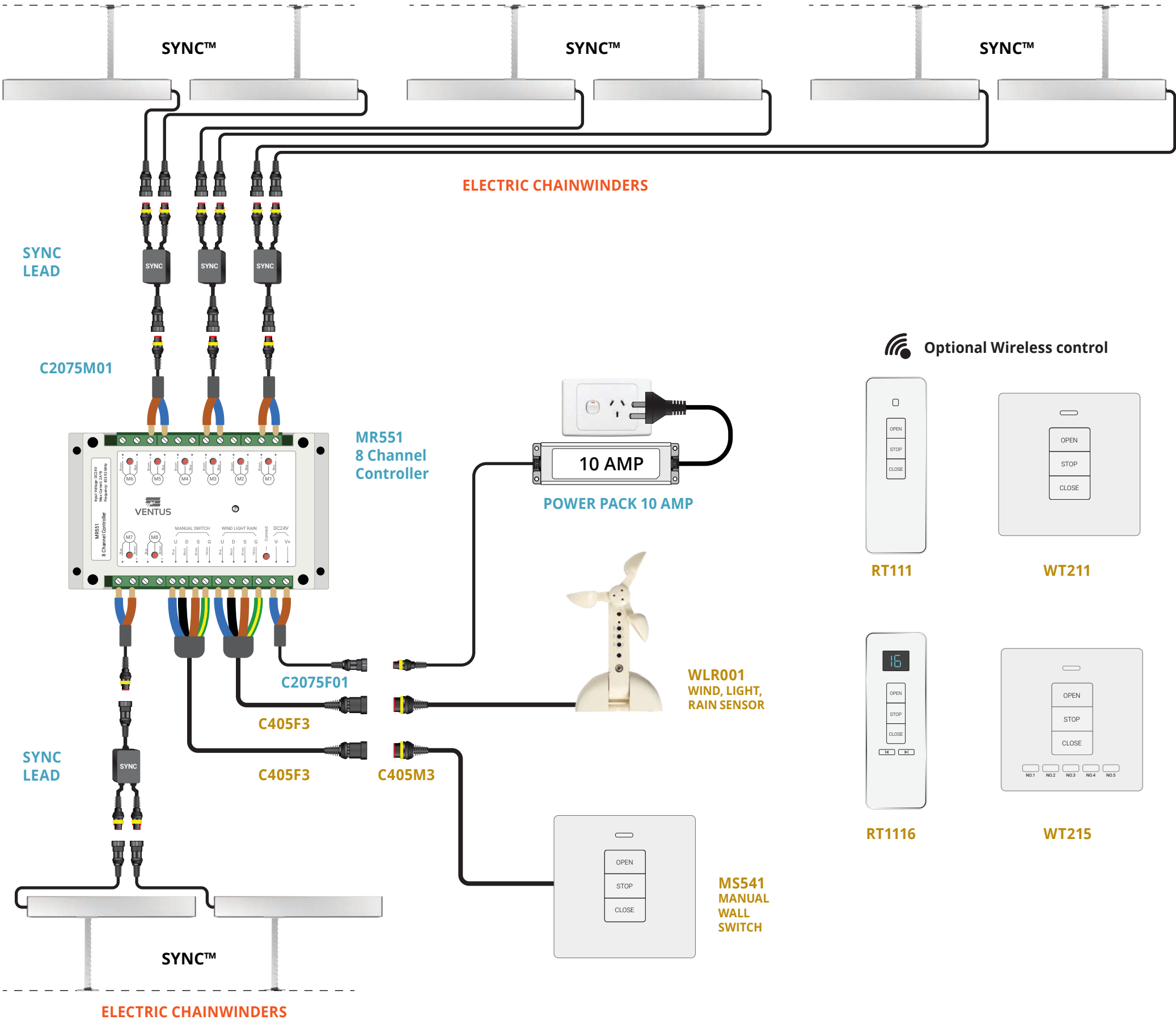
4 WINDOWS

4x2 SYNC AWNING CHAINWINDERS

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 4
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345586	S102P SYNC	Synchronizer control unit	Required x 4
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



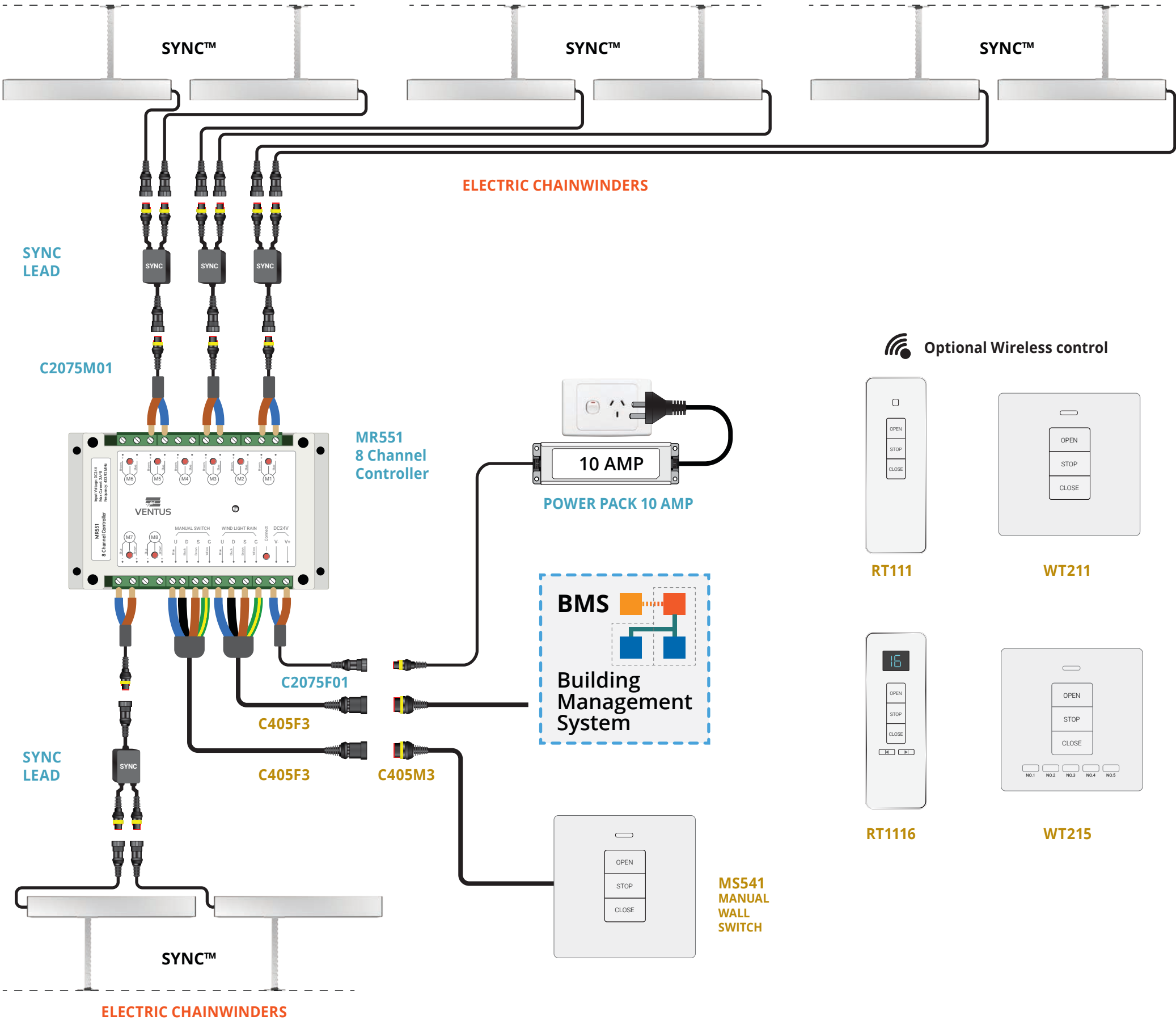
4 WINDOWS

4x2 SYNC AWNING CHAINWINDERS

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 4
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345586	S102P SYNC	Synchronizer control unit	Required x 4
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



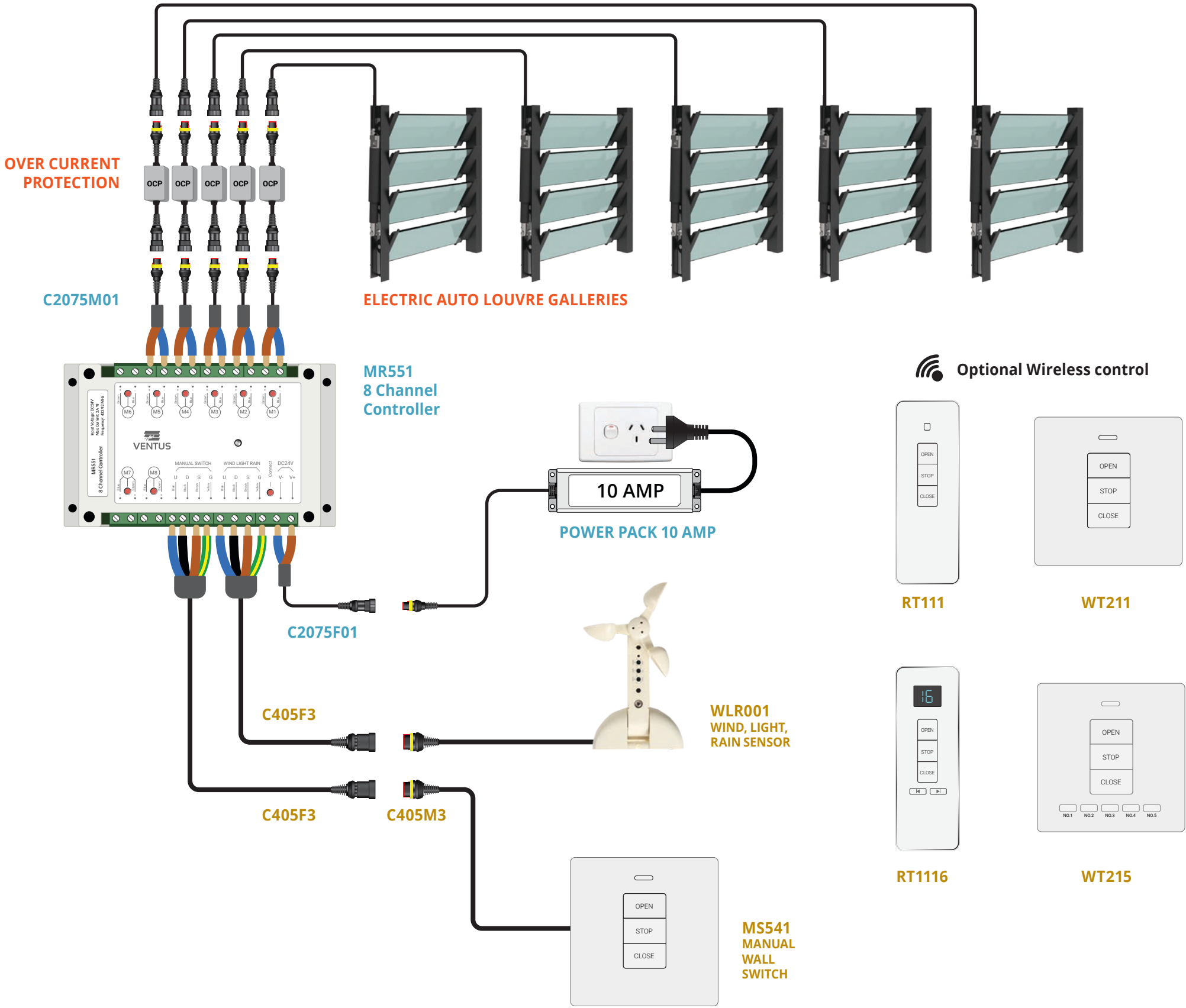
5 WINDOWS

LOUVRE GALLERIES

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 5
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



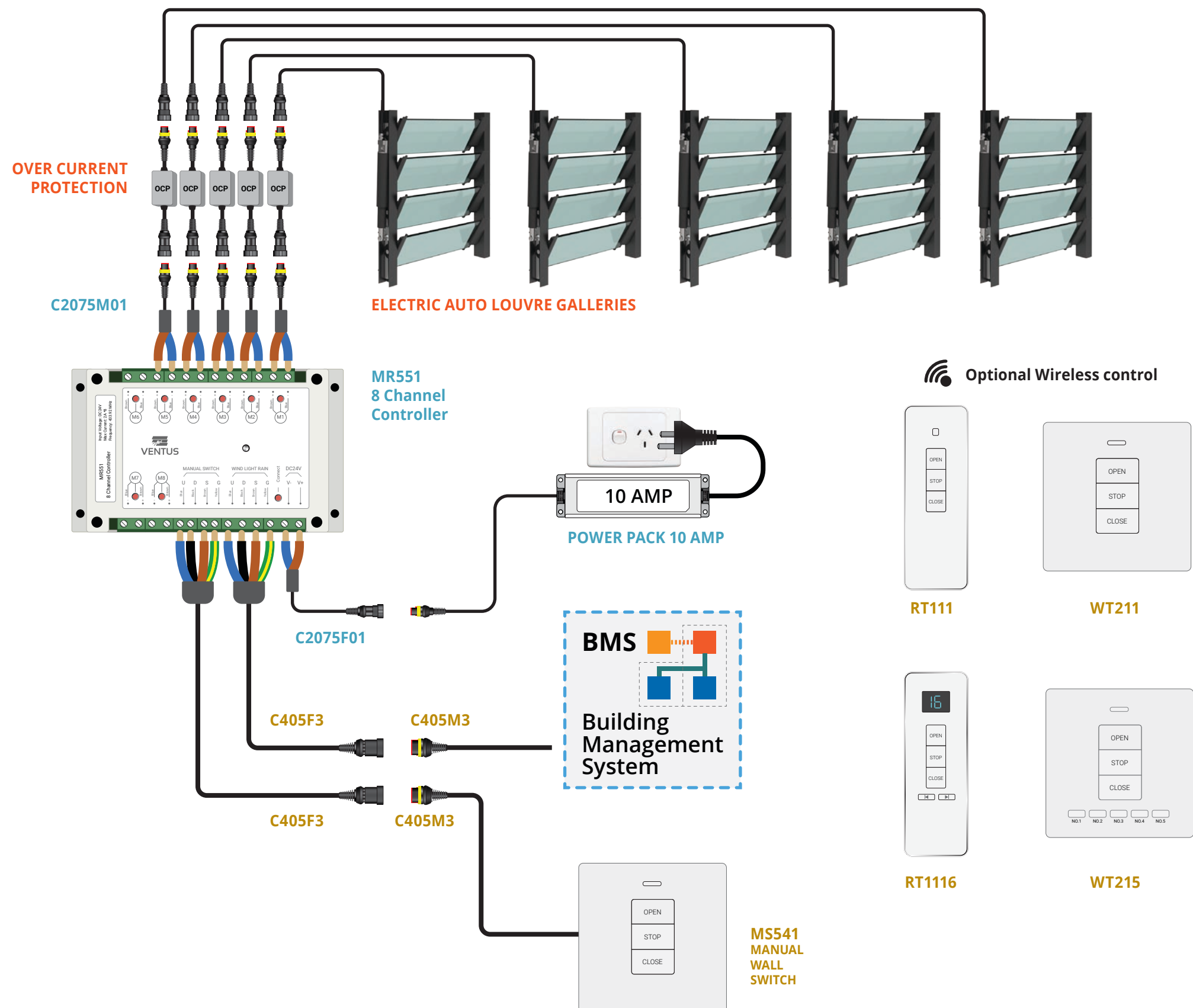
5 WINDOWS

LOUVRE GALLERIES

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 5
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



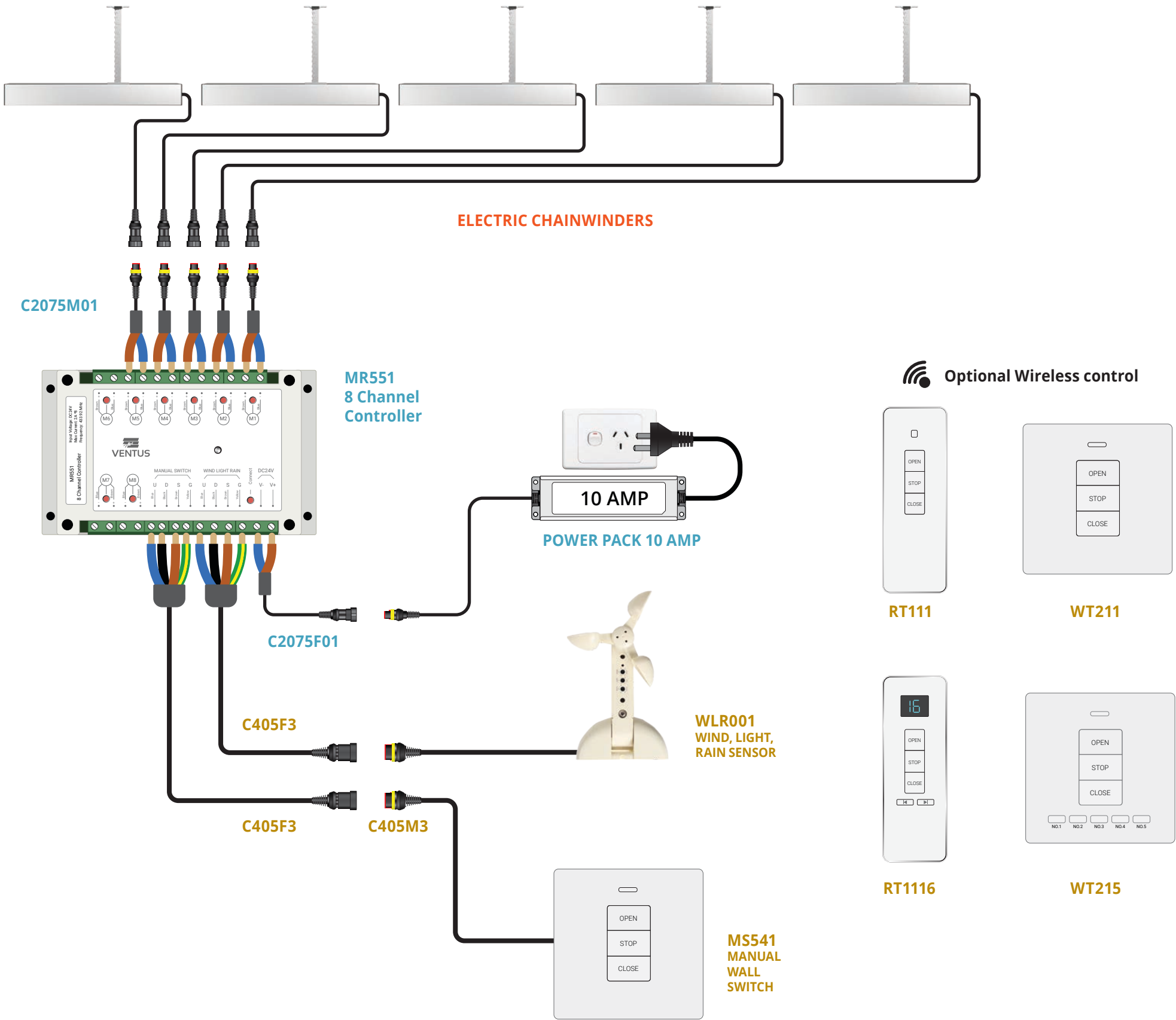
5 WINDOWS

AWNING CHAINWINDERS

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 5
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers Check capacity limits for TCE300. One TCE300 has x2 motors.			



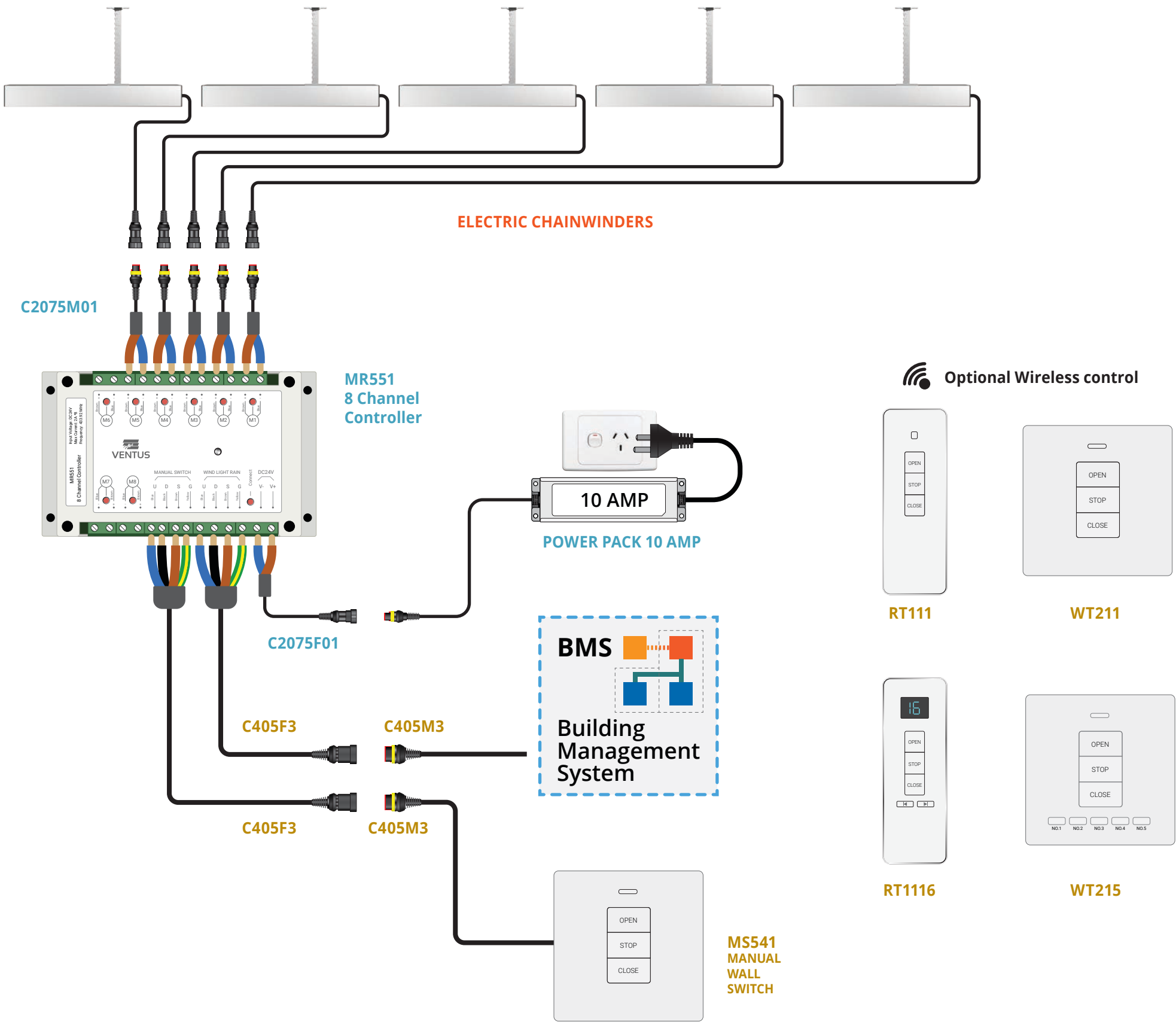
5 WINDOWS

AWNING CHAINWINDERS

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 5
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers Check capacity limits for TCE300. One TCE300 has x2 motors.			



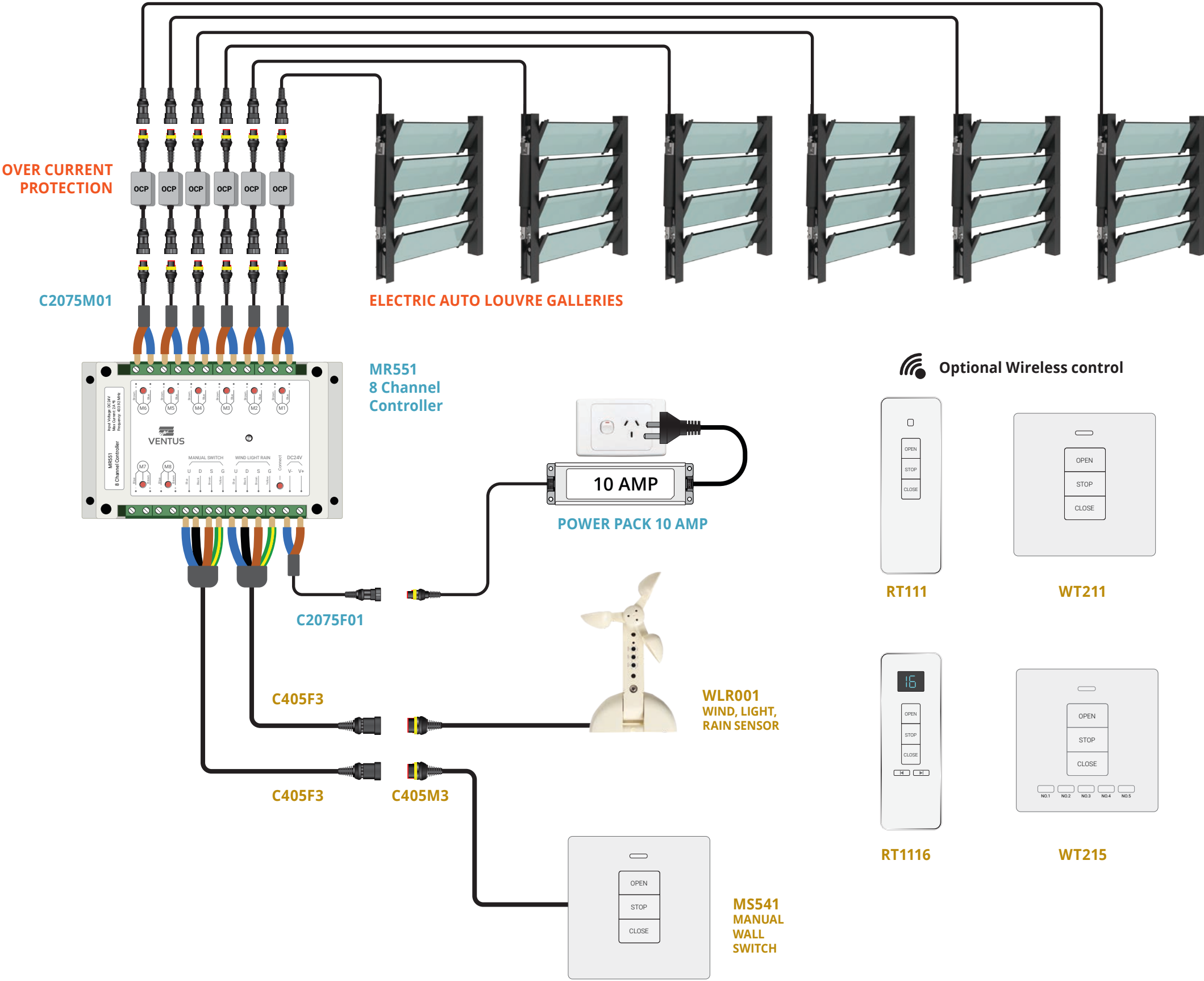
6 WINDOWS

LOUVRE GALLERIES

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

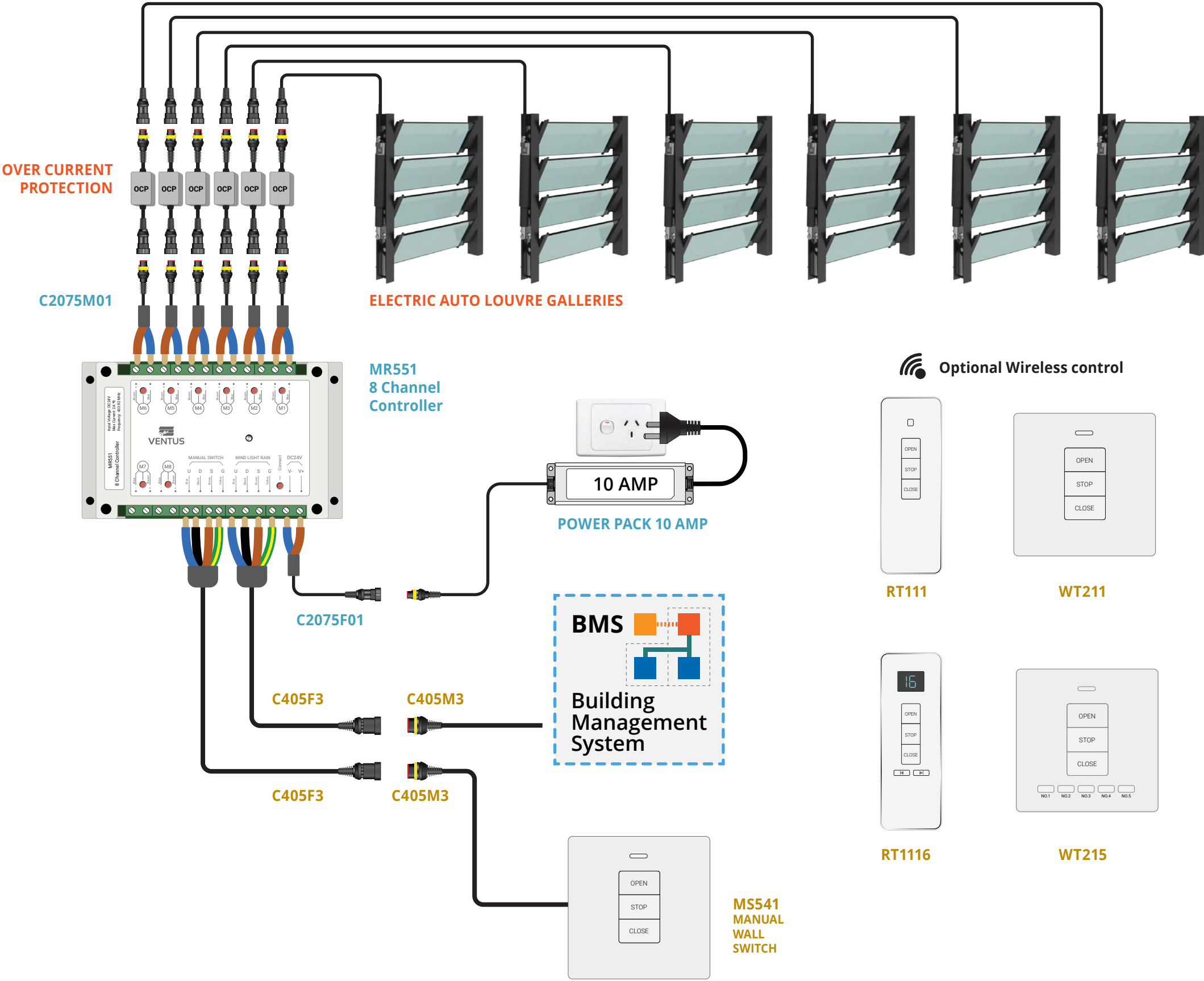
Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 6
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



6 WINDOWS
LOUVRE GALLERIES
WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 6
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



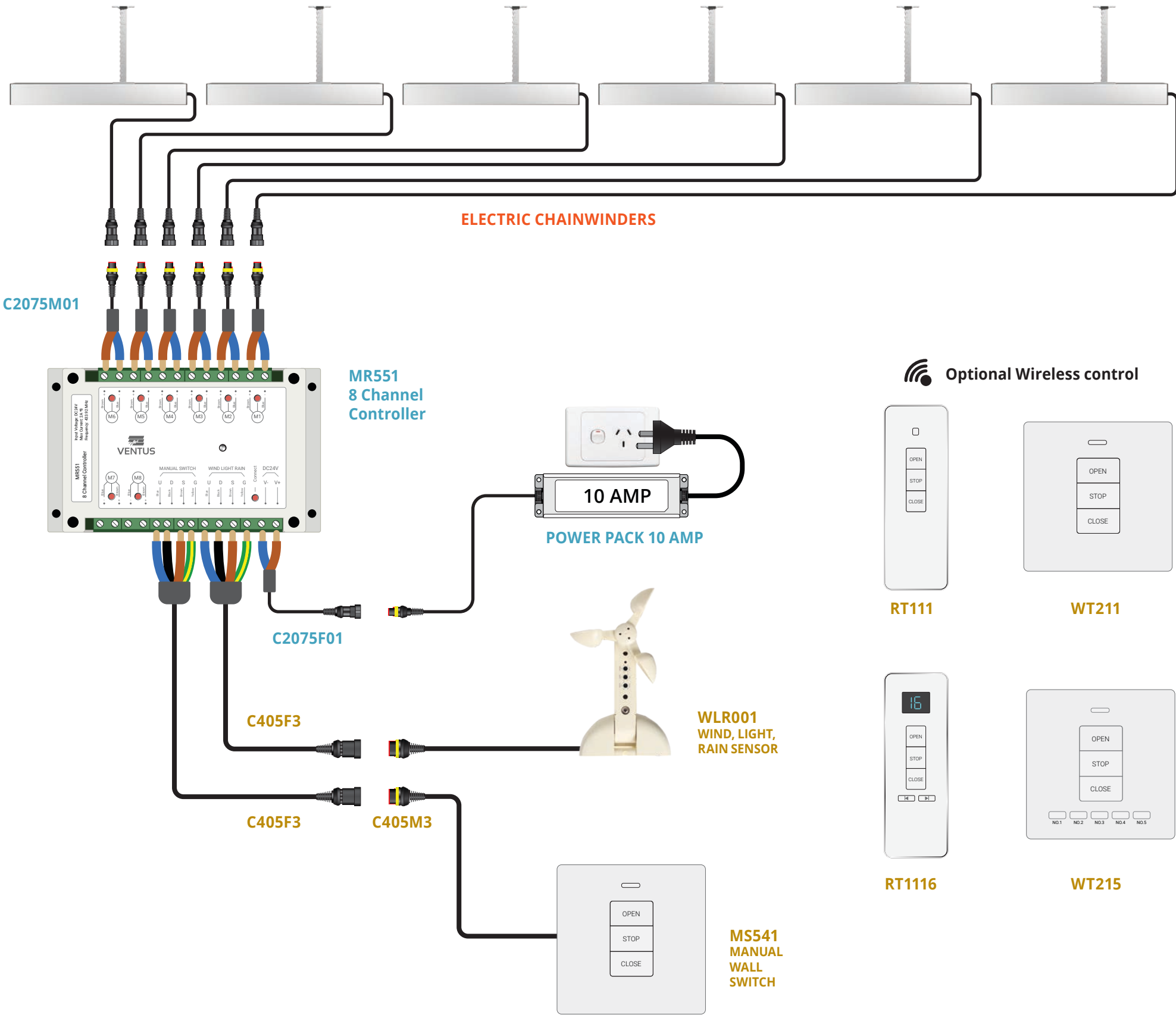
6 WINDOWS

AWNING CHAINWINDERS

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 6
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers Check capacity limits for TCE300. One TCE300 has x2 motors.			



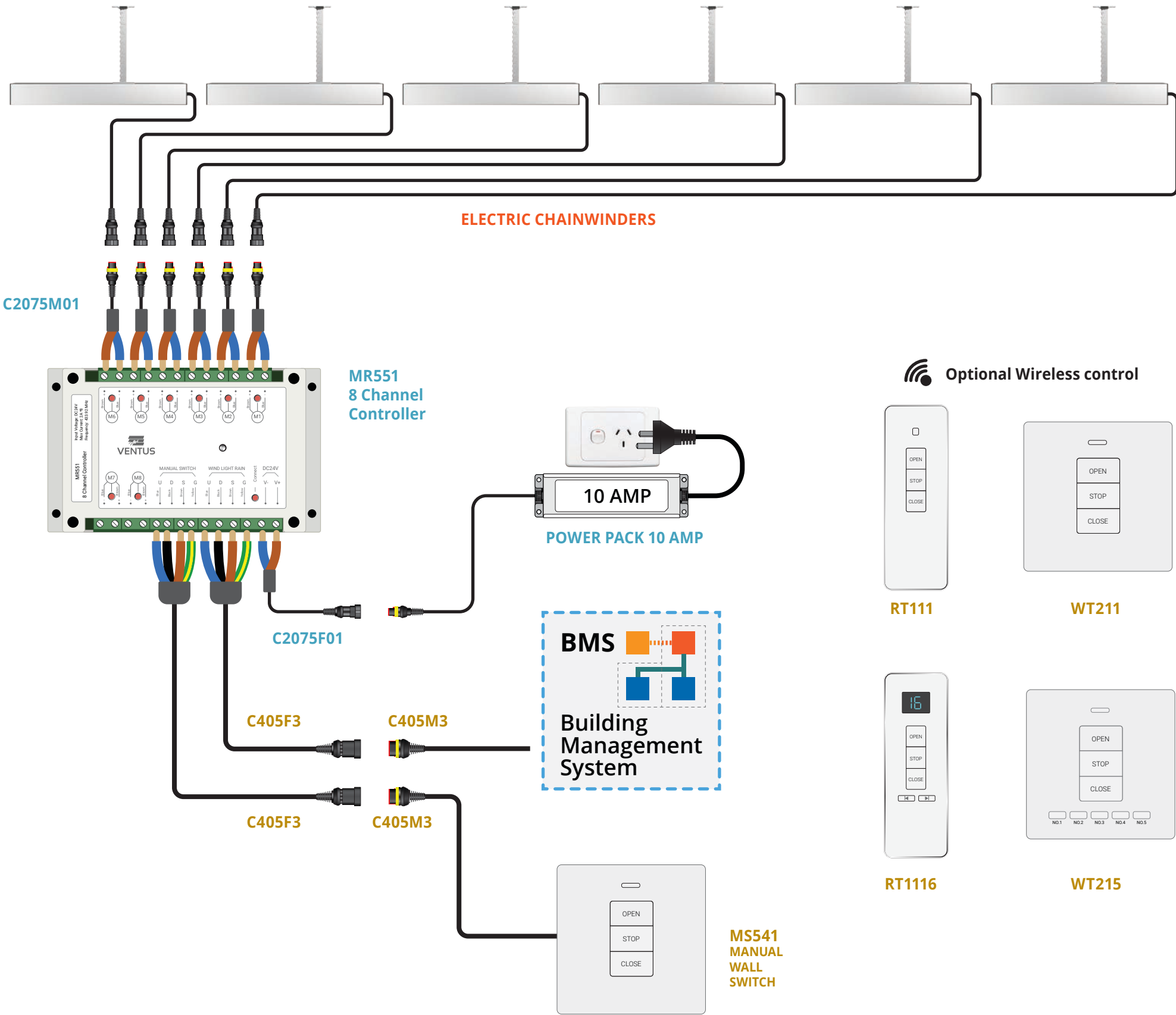
6 WINDOWS

AWNING CHAINWINDERS

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 6
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers Check capacity limits for TCE300. One TCE300 has x2 motors.			



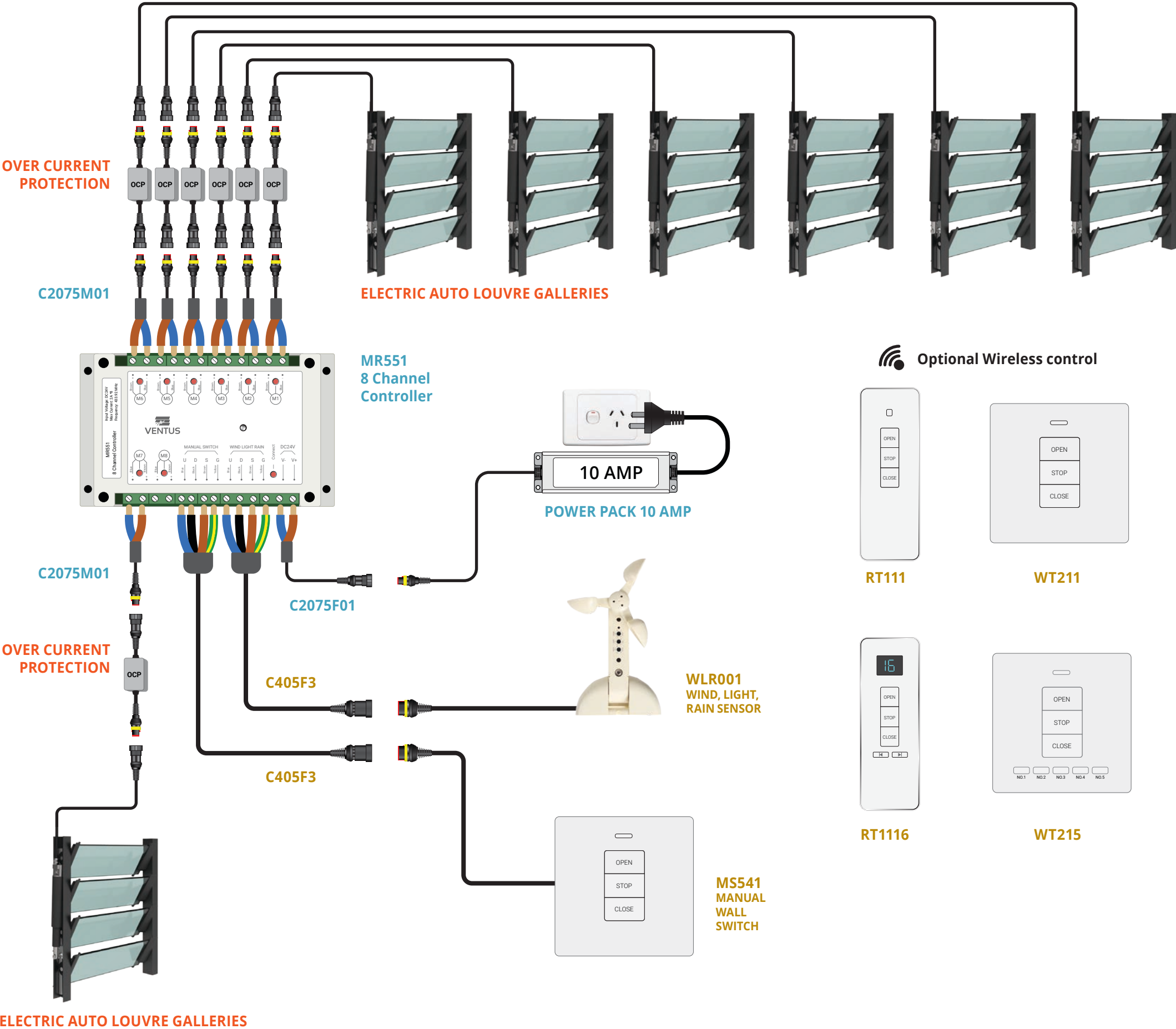
7 WINDOWS

LOUVRE GALLERIES

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

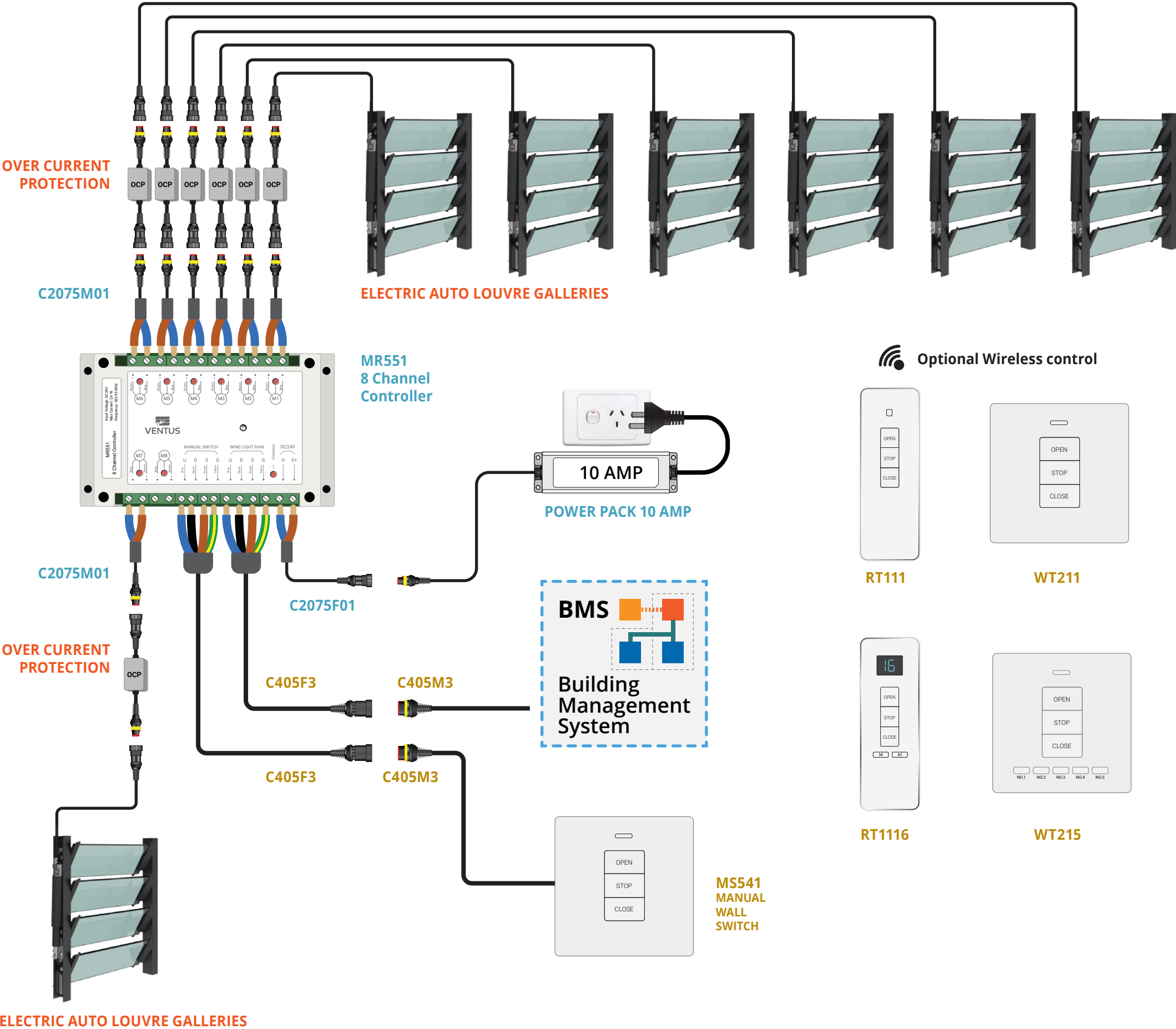
Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 7
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



7 WINDOWS
LOUVRE GALLERIES
WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 7
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



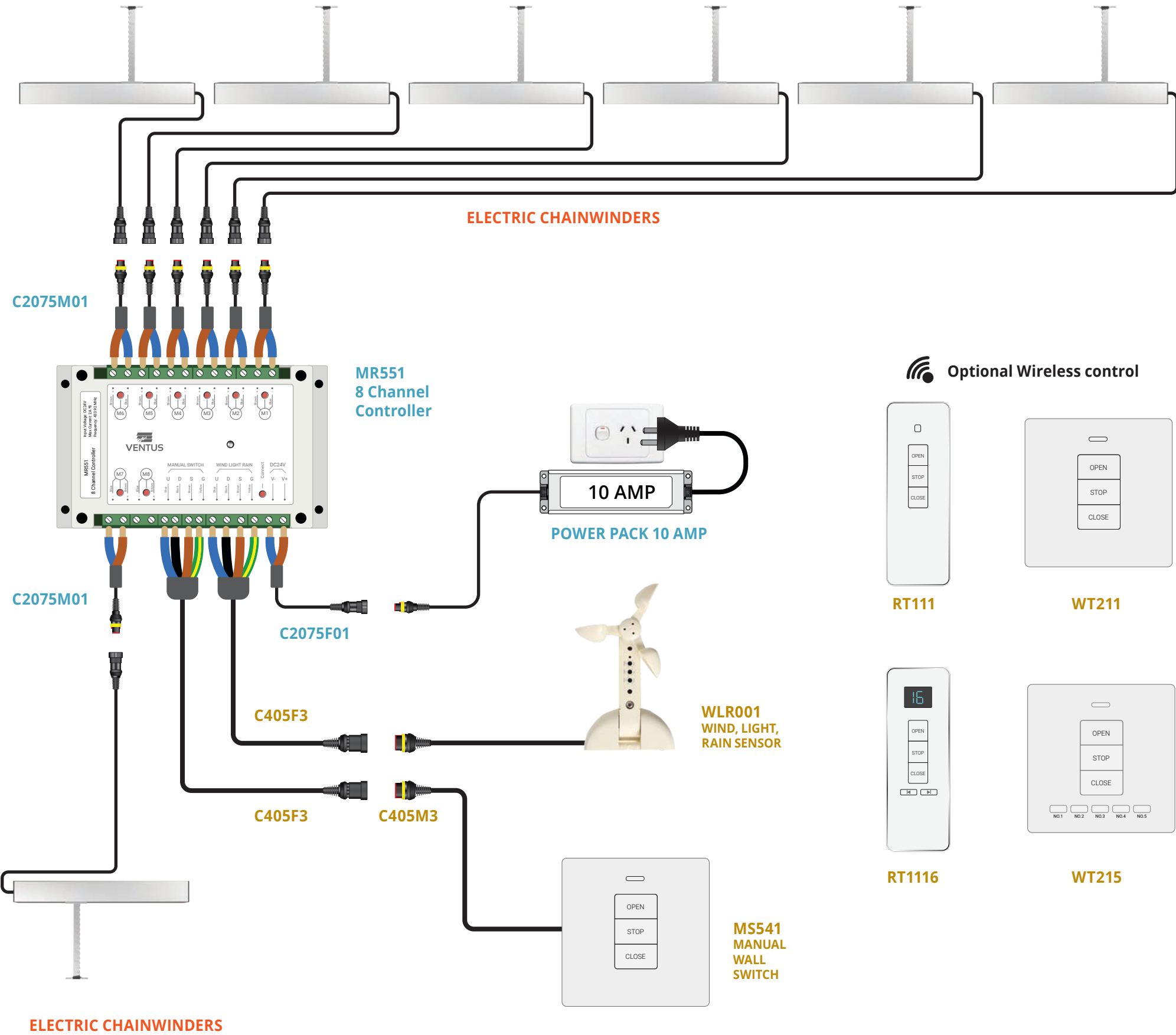
7 WINDOWS

AWNING CHAINWINDERS

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 7
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers Check capacity limits for TCE300. One TCE300 has x2 motors.			



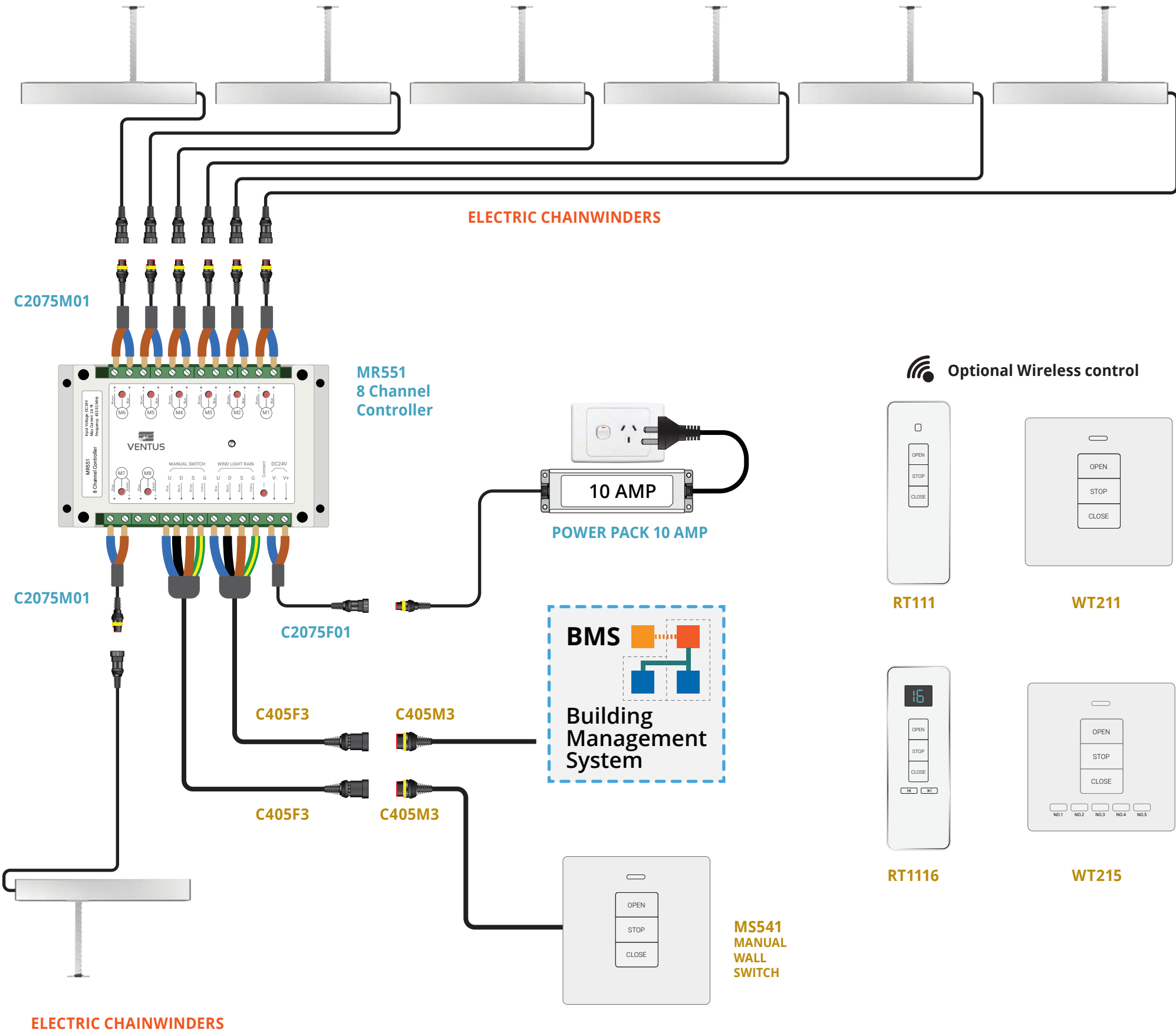
7 WINDOWS

AWNING CHAINWINDERS

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 7
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers Check capacity limits for TCE300. One TCE300 has x2 motors.			



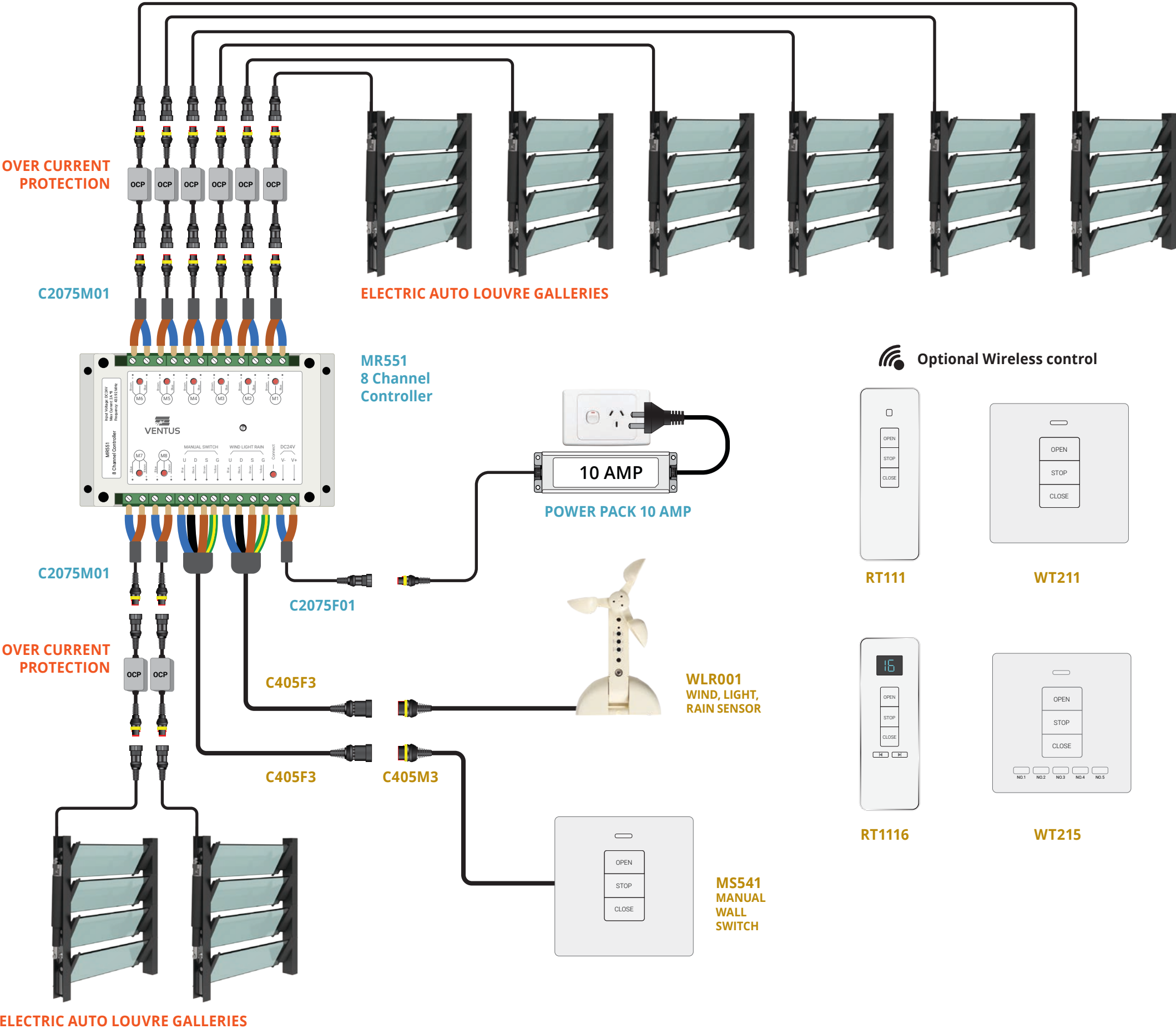
8 WINDOWS

LOUVRE GALLERIES

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

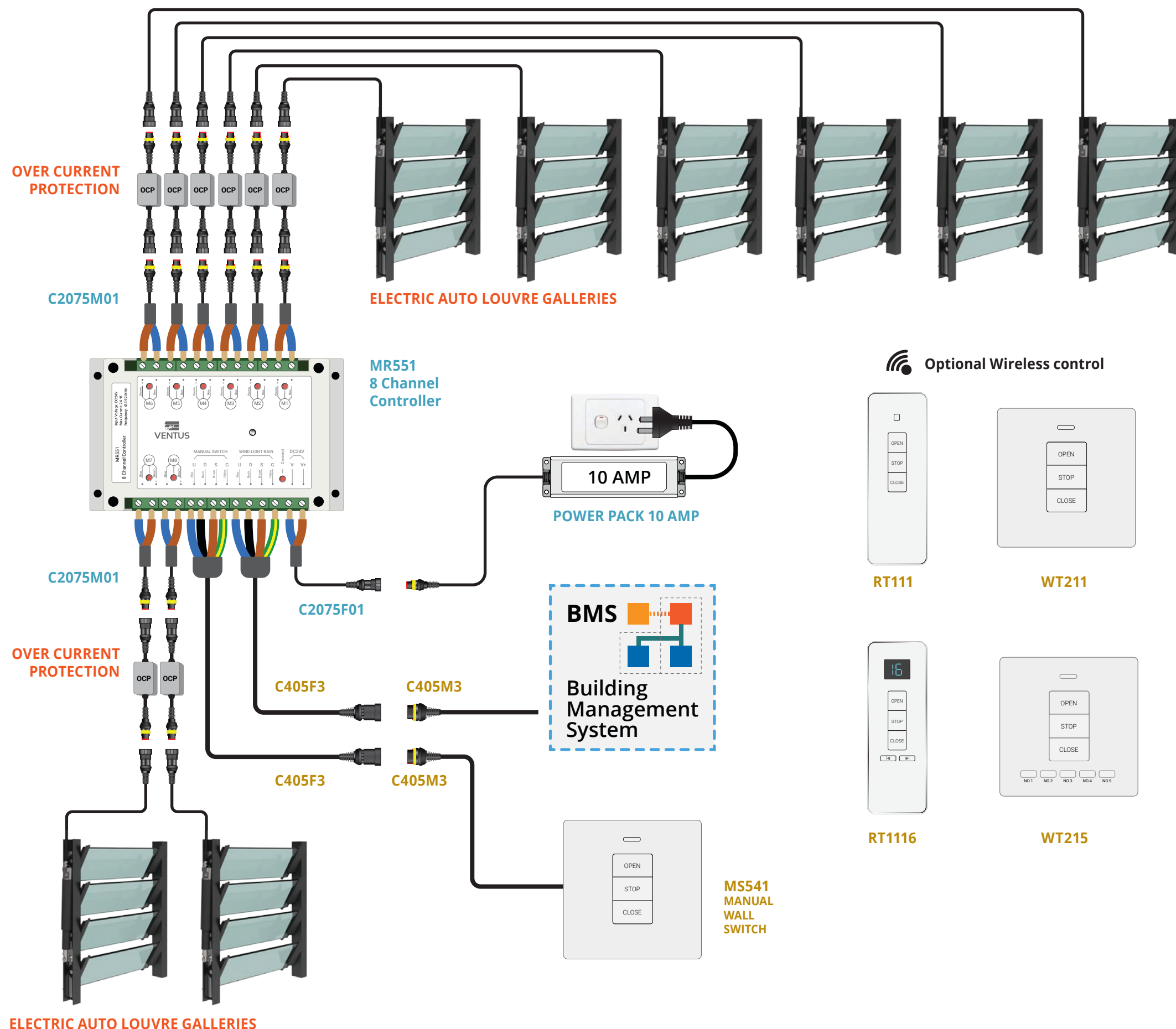
Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 8
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



LOUVRE GALLERIES

WITH BMS INTEGRATION

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 8
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	



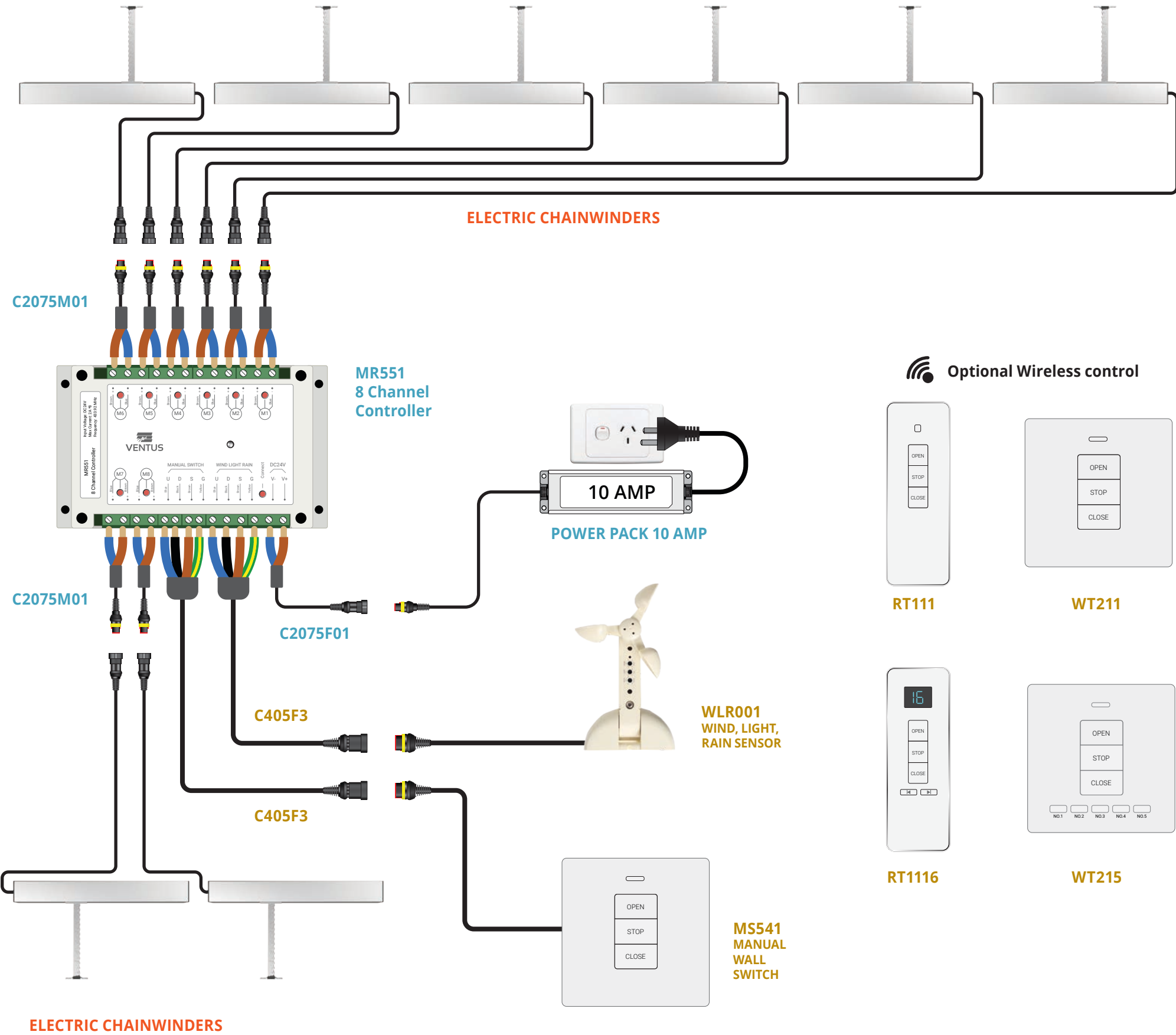
8 WINDOWS

AWNING CHAINWINDERS

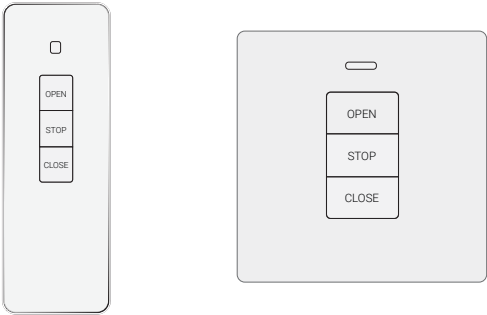
INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

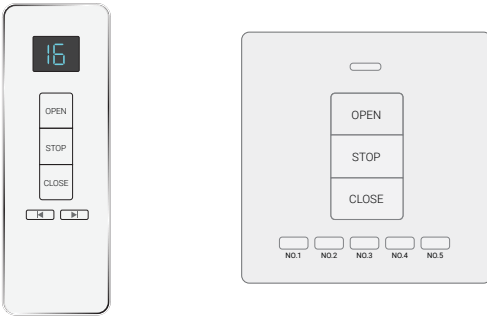
Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 8
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



Optional Wireless control



RT111 WT211



RT1116 WT215

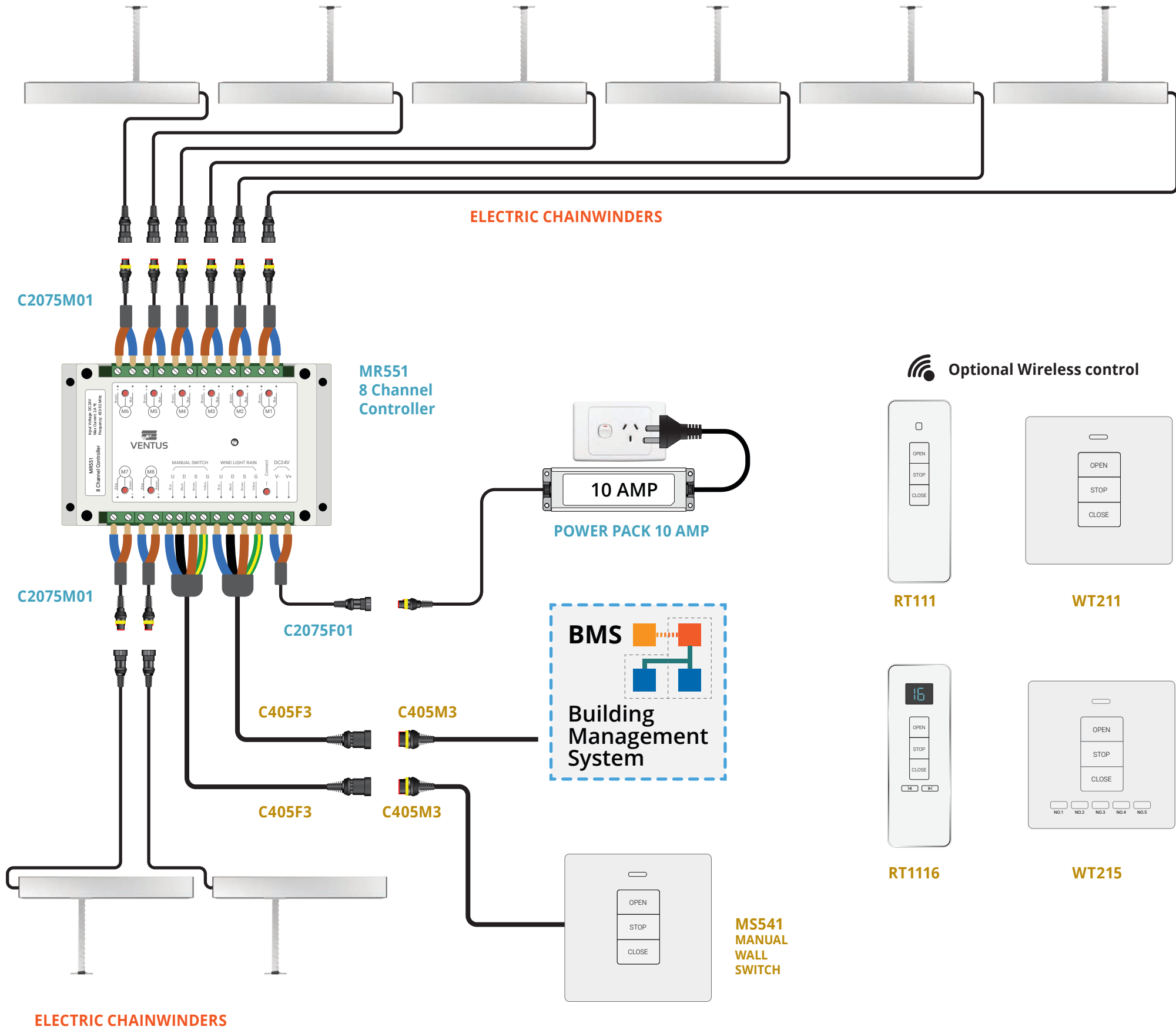
8 WINDOWS

AWNING CHAINWINDERS

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 8
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers			



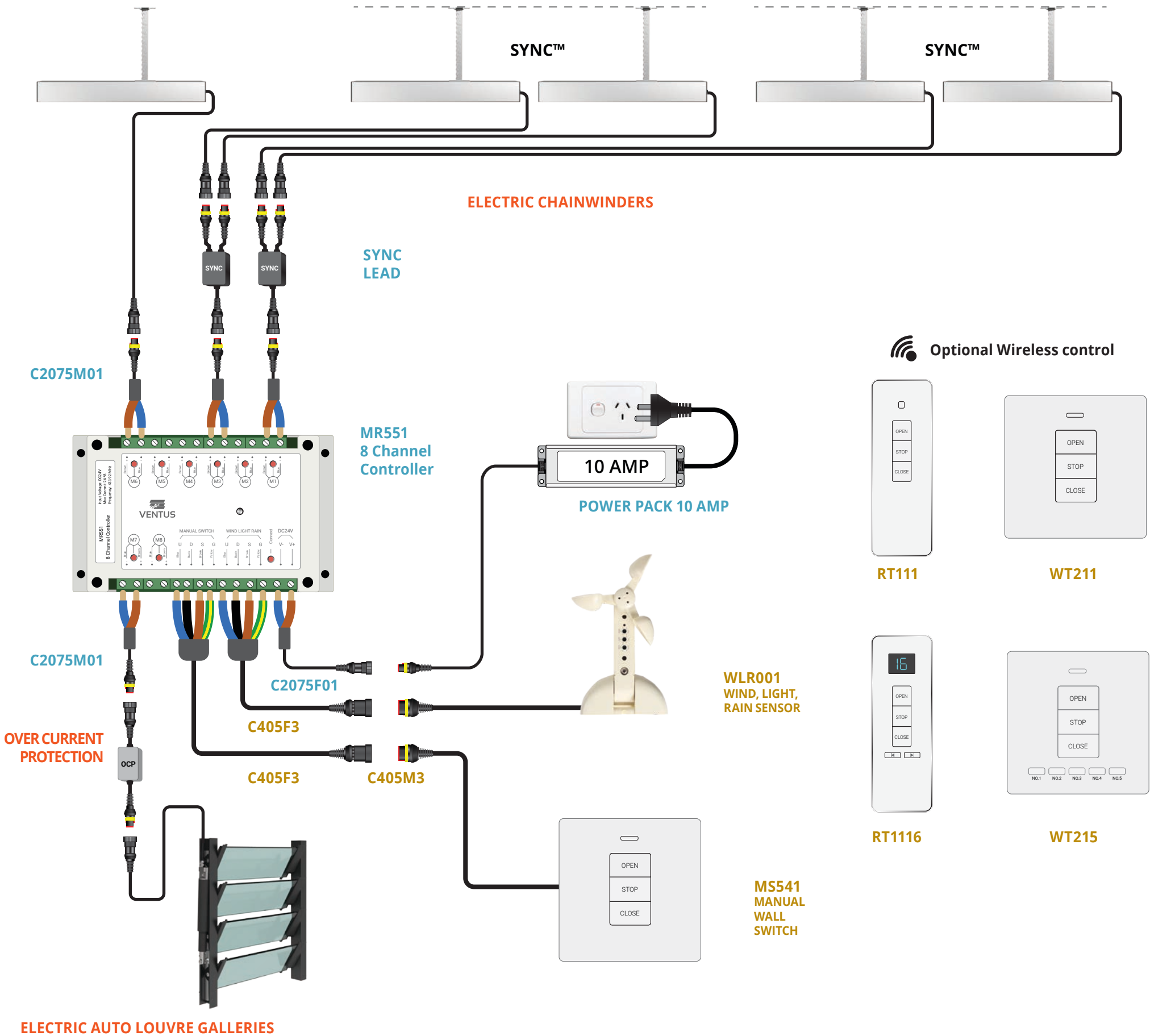
MIXED HARDWARE

8 CHANNEL MIXED AUTO HARDWARE

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 8
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345586	S102P SYNC	Synchronizer control unit	Required
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers Check capacity limits for TCE300 Twin Chainwinder. One TCE300 has x2 motors. Sync Lead not available with TCE300 Twin Chainwinder.			

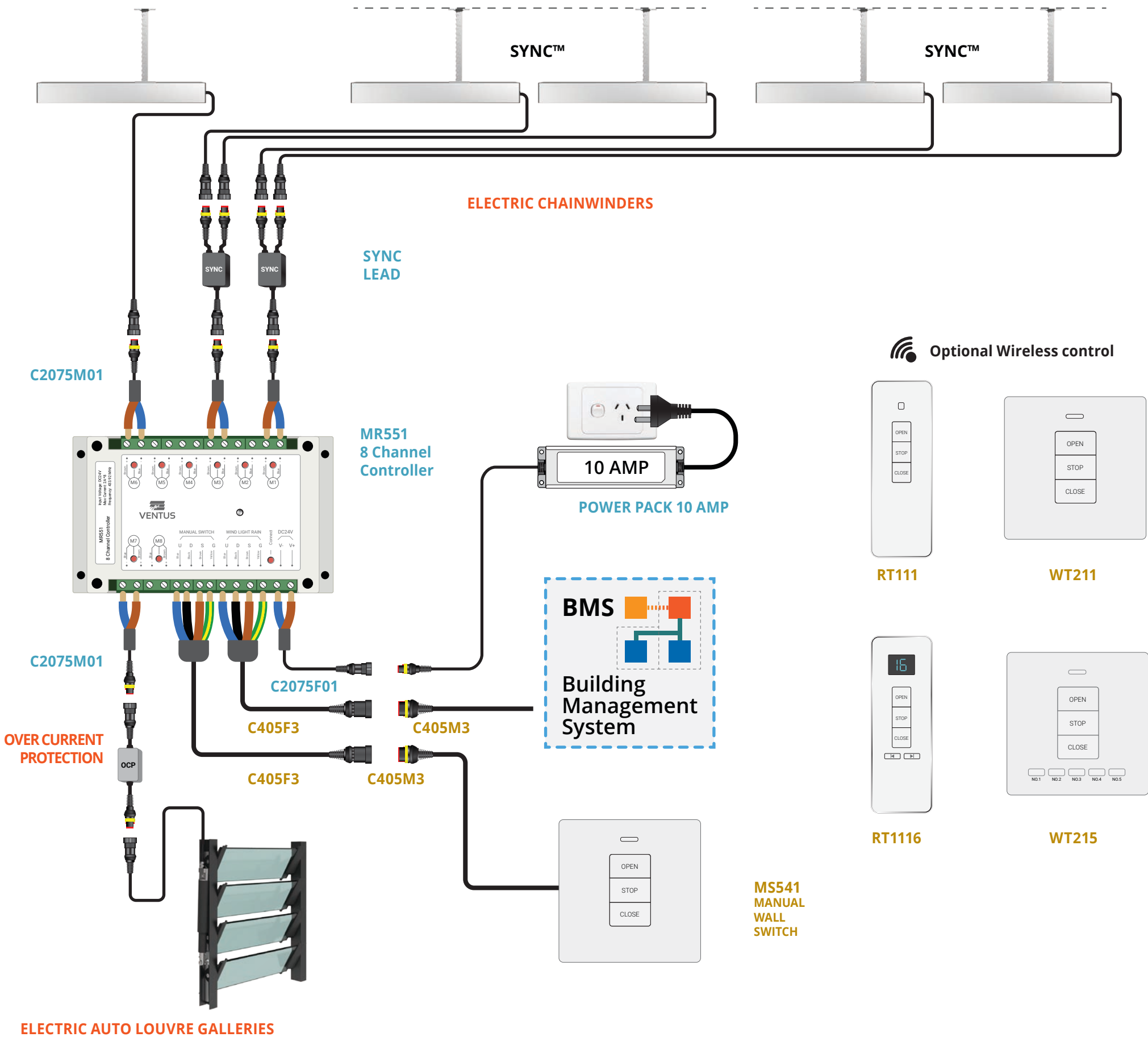


MIXED HARDWARE

8 CHANNEL MIXED AUTO HARDWARE
WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 8
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345586	S102P SYNC	Synchronizer control unit	Required
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
Electric motor options			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers Check capacity limits for TCE300 Twin Chainwinder. One TCE300 has x2 motors. Sync Lead not available with TCE300 Twin Chainwinder.			



DIRECT CONNECTION

AUTO HARDWARE DIRECT CONNECTION

SUPPLY ONLY

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
AUTO LOUVRE			
Auto Louvre	AUTO LOUVRE	Auto Louvre Gallery	SELECT
-	LOUVRE OCP	Over Current Protection (included standard with Louvres)	
ELECTRIC CHAINWINDER			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N*	SELECT *
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
1345600	SCE100s Black PC	Standard Chain Electric Winder 24V DC, 100mm, 250N, Black powder coat	SELECT
1345595	SCE300s Black PC	Standard Chain Electric Winder 24V DC, 300mm, 250N, Black powder coat	SELECT
1345603	TCE300 Black PC	Twin Chain Electric Winder 24V DC, 300mm, 800N, Black powder coat	SELECT*
1345602	LCD300 Black PC	Large Chain Electric Winder 24V DC, 300mm, 400N, Black powder coat	SELECT
SYNC ELECTRIC CHAINWINDER			
1345586	S102P SYNC	Synchronizer control unit	Required
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
1345600	SCE100s Black PC	Standard Chain Electric Winder 24V DC, 100mm, 250N, Black powder coat	SELECT
1345595	SCE300s Black PC	Standard Chain Electric Winder 24V DC, 300mm, 250N, Black powder coat	SELECT
1345602	LCD300 Black PC	Large Chain Electric Winder 24V DC, 300mm, 400N, Black powder coat	SELECT
CABLE AND EXTENSION OPTIONS			
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	SELECT
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	SELECT
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m extension	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m extension	Optional

* SYNC LEAD NOT AVAILABLE WITH TWIN CHAINWINDER

Louvre Motor
SCE100s Standard Chain Electric
SCE300s Standard Chain Electric
LCD300 Large Chain Electric
TCE300 Twin Chain Electric

- Peak Amp 1.0 Amp – Normal – 0.4-0.5 Amp
- Peak Amp 1.0 Amp – Normal – 0.4-0.6 Amp
- Peak Amp 1.0 Amp – Normal – 0.4-0.6 Amp
- Peak Amp 2.8 Amp – Normal – 0.4-1.0 Amp
- Peak Amp 5.6 Amp – Normal – 0.8-2.0 Amp

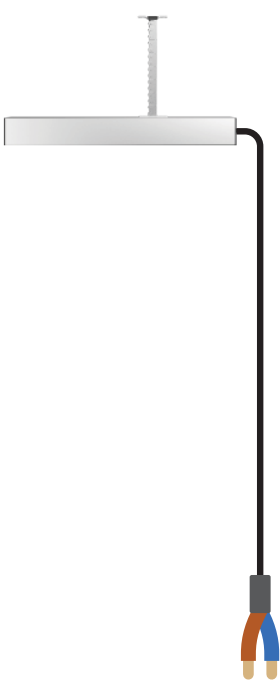
WIRING

The automation products operate off a 24V DC system and requires a minimum cable diameter of 0.75mm to reduce voltage loss over longer distances. All cable joints must be made with the provided plugs **or be a soldered joint**.

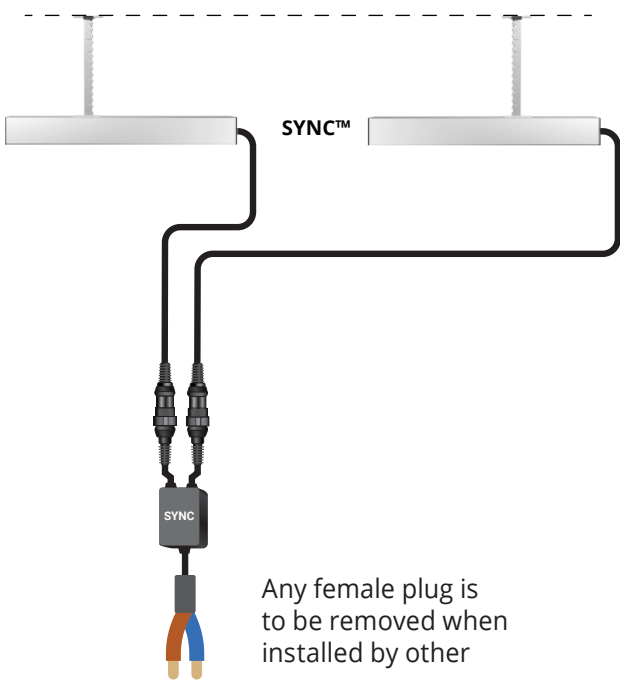
ELECTRIC
AUTO LOUVRE



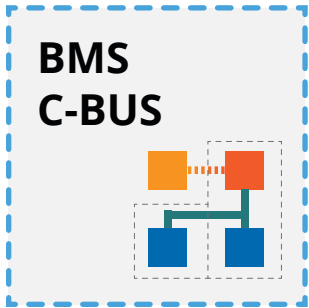
ELECTRIC
CHAINWINDER



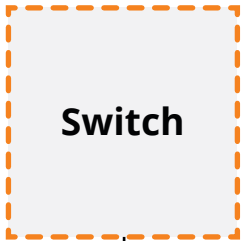
ELECTRIC
CHAINWINDERS
via Sync Lead



Connects to any of below

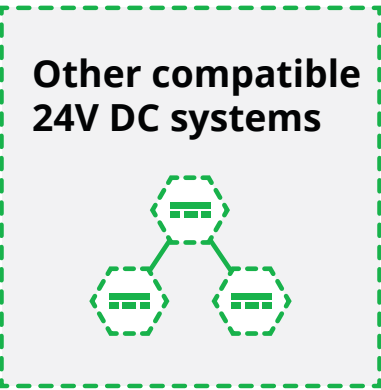


INSTALLED BY OTHERS



Transformer

INSTALLED BY OTHERS



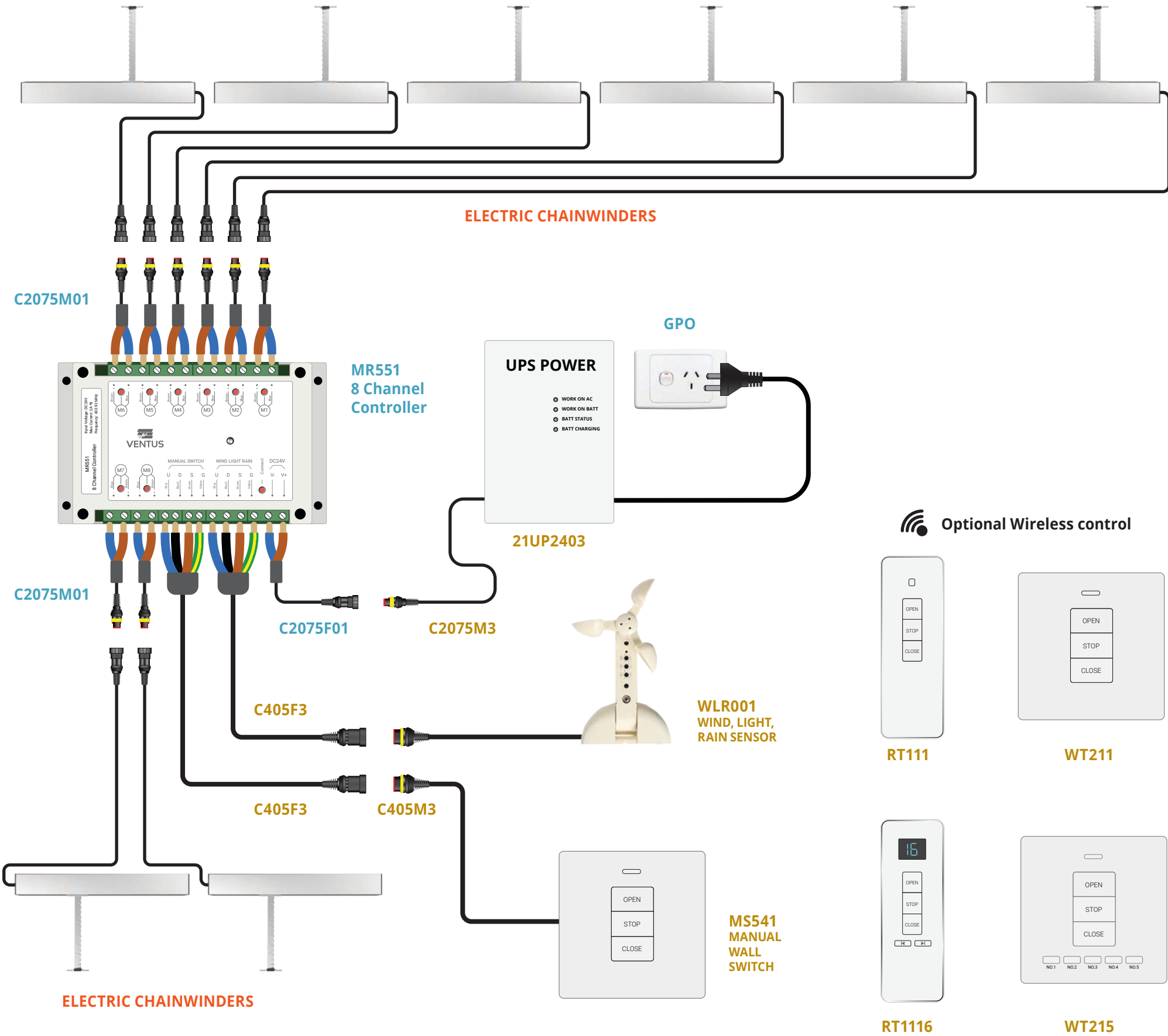
UPS INSTALLATION

8 WINDOWS - AWNING CHAINWINDERS

INSTALLATION VIA GPO WITH UPS

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 8
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
1345591	SCE100s	Standard Chain Electric Winder 24V DC, 100mm, 250N	SELECT
1345590	SCE300s	Standard Chain Electric Winder 24V DC, 300mm, 250N	SELECT
1345601	TCE300	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT
1345604	LCD300	Large Chain Electric Winder 24V DC, 300mm, 400N	SELECT
Black powder coat chainwinders available, see page 1.12 for Part Numbers Check capacity limits for TCE300 Twin Chainwinder. One TCE300 has x2 motors.			



4 WINDOWS *(MAXIMUM)*

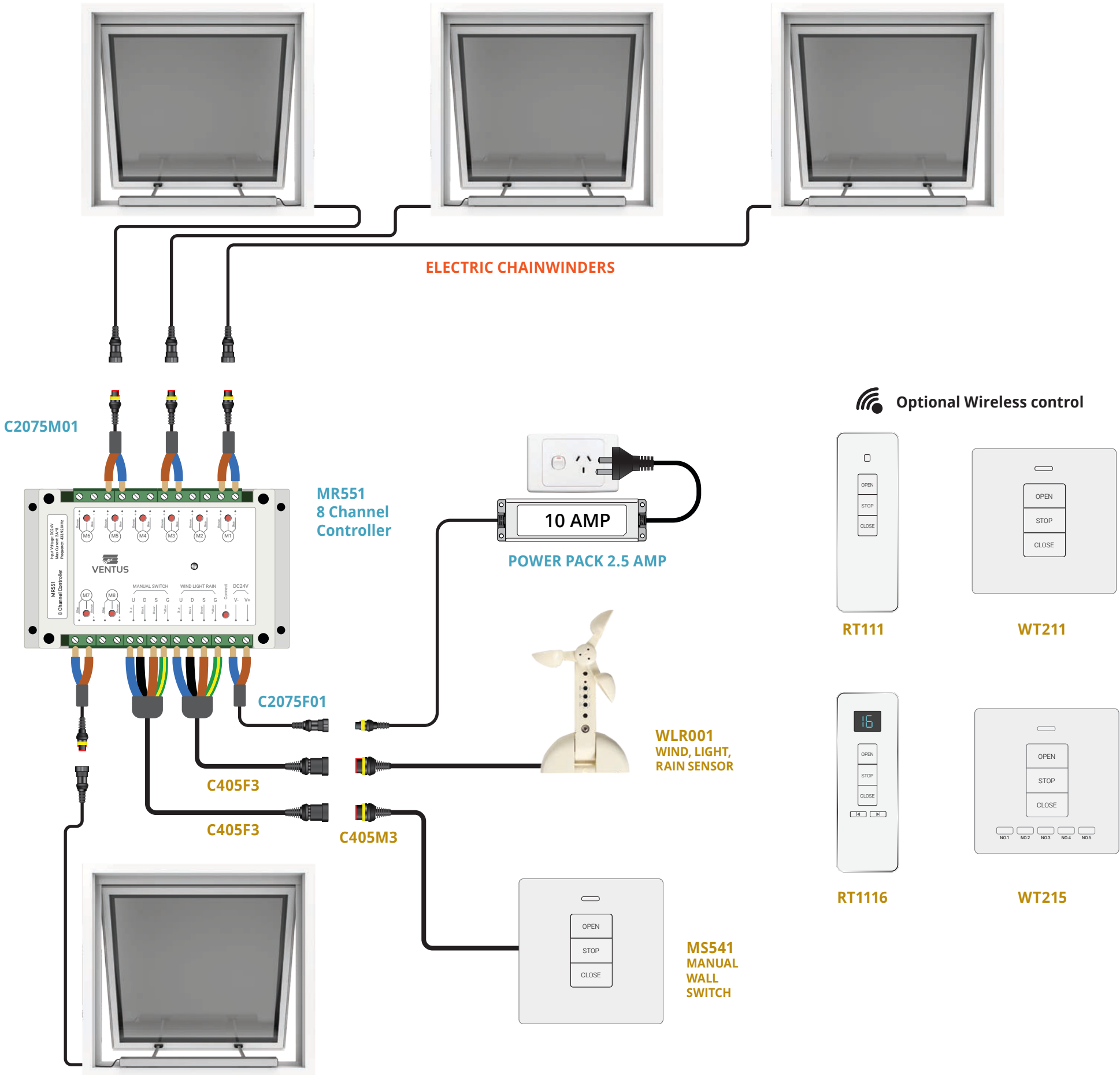
TWIN CHAIN ELECTRIC AWNING WINDERS

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 4
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
1345601	TCE300s	Twin Chain Electric Winder 24V DC, 300mm, 800N	SELECT

Black powder coat chainwinders available, see page 1.12 for Part Numbers
Check capacity limits for TCE300 Twin Chainwinder. One TCE300 has x2 motors.



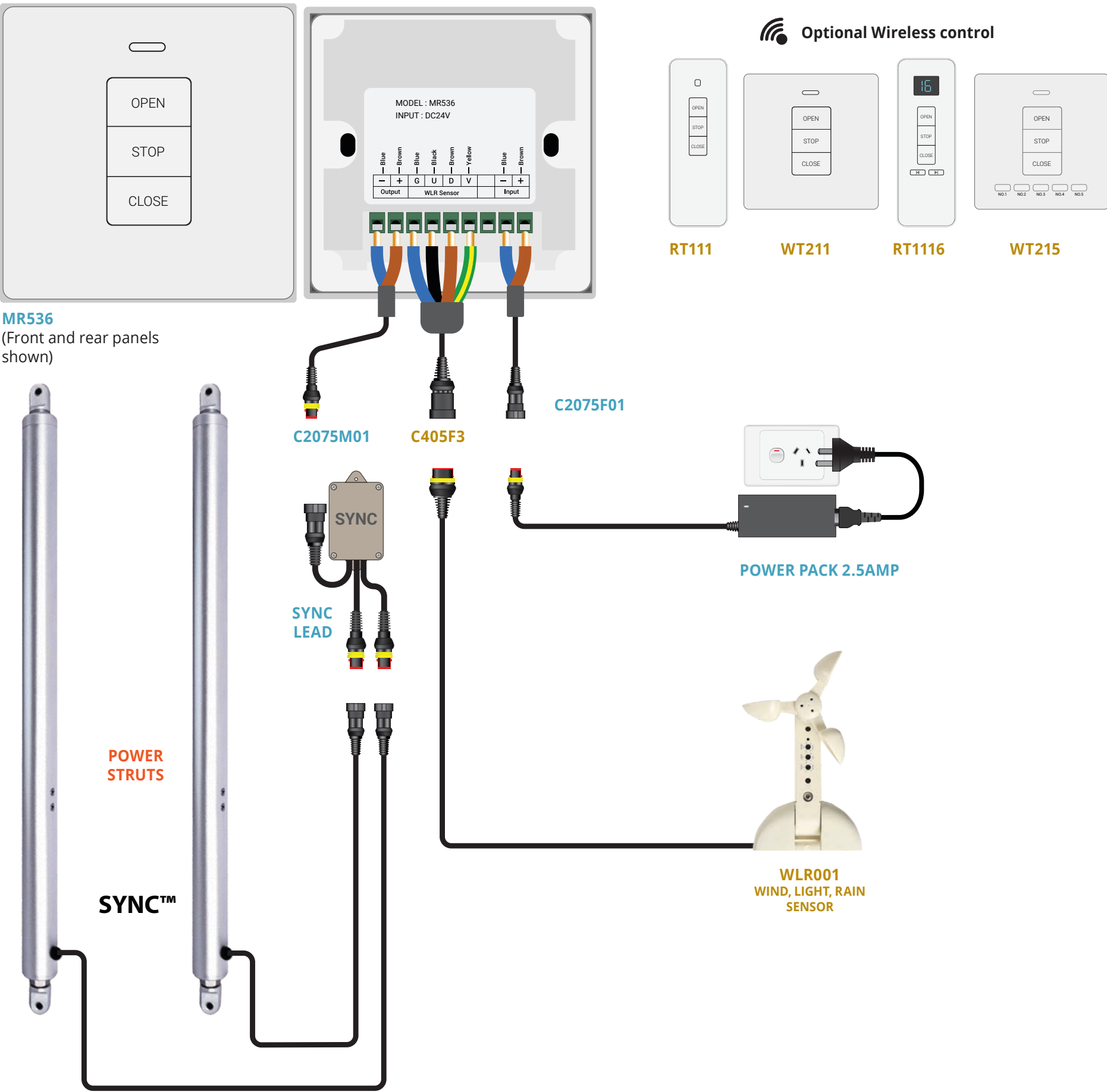
1 WINDOW

1x2 POWER STRUTS

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345580	MR536	1-Channel Controller, 24V DC, 10Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 1
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345611	S102HL	Sync control lead for Power Struts	Required x 1
1345619	Latch Box Set	Latch Box Set, 316SS hardware pack	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
1345587	RT111	Wireless remote control, 433.92MHz	Optional
1345617	RT1116	16-Channel wireless remote, 33.92MHz	Optional
1345589	WT211	Wireless wall mounted switch, 433.92MHz	Optional
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	Optional
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
See Power Strut Selection Table for available options			SELECT



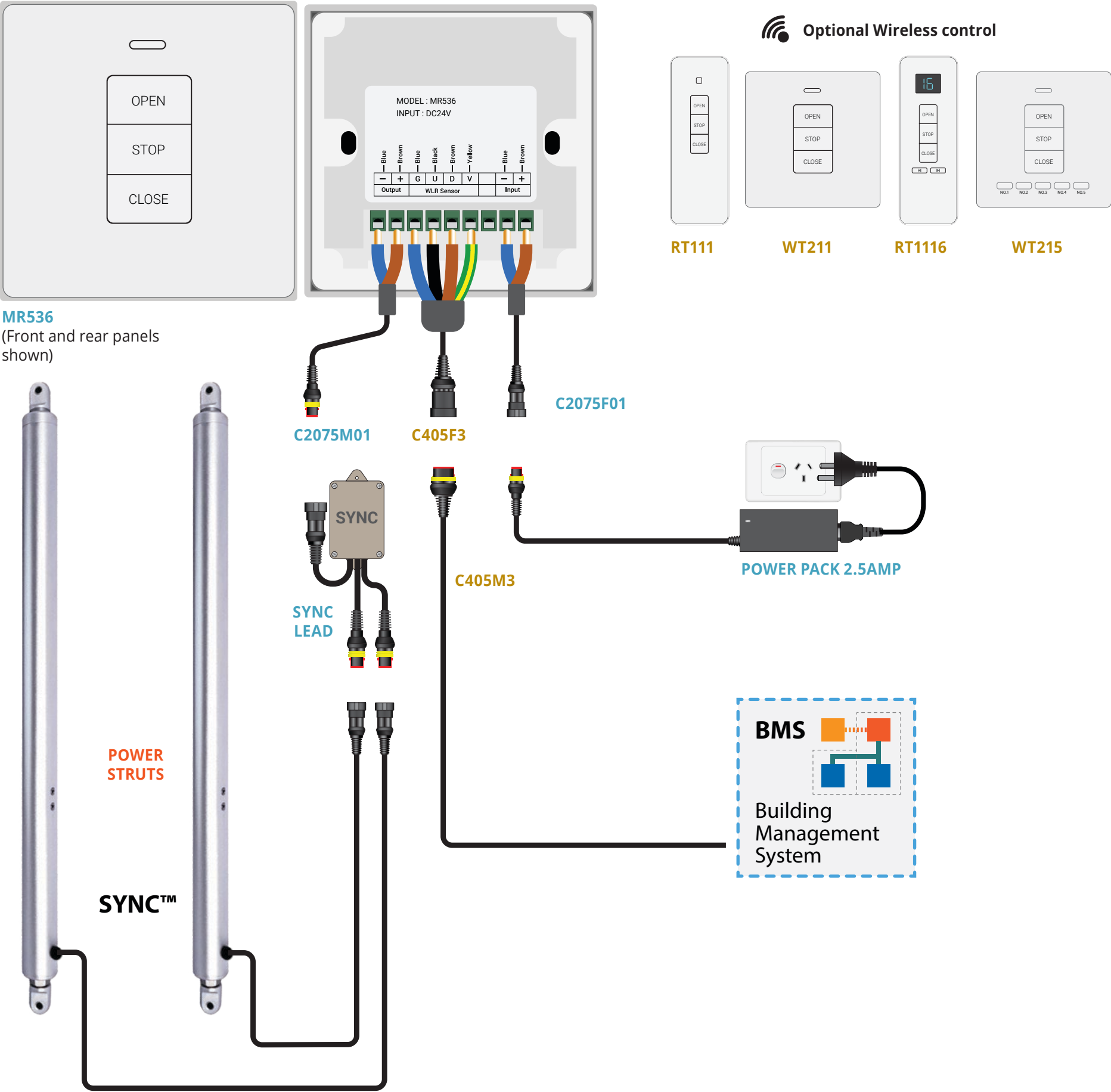
1 WINDOW

1x2 POWER STRUTS

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345580	MR536	1-Channel Controller, 24V DC, 10Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 1
1345584	POWER PACK 2.5AMP	Universal Power Pack 240V AC to 24V DC, 2.5A, 3m cable	Required x 1
1345611	S102HL	Sync control lead for Power Struts	Required x 1
1345619	Latch Box Set	Latch Box Set, 316SS hardware pack	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
1345587	RT111	Wireless remote control, 433.92MHz	Optional
1345617	RT1116	16-Channel wireless remote, 33.92MHz	Optional
1345589	WT211	Wireless wall mounted switch, 433.92MHz	Optional
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	Optional
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
See Power Strut Selection Table for available options			SELECT



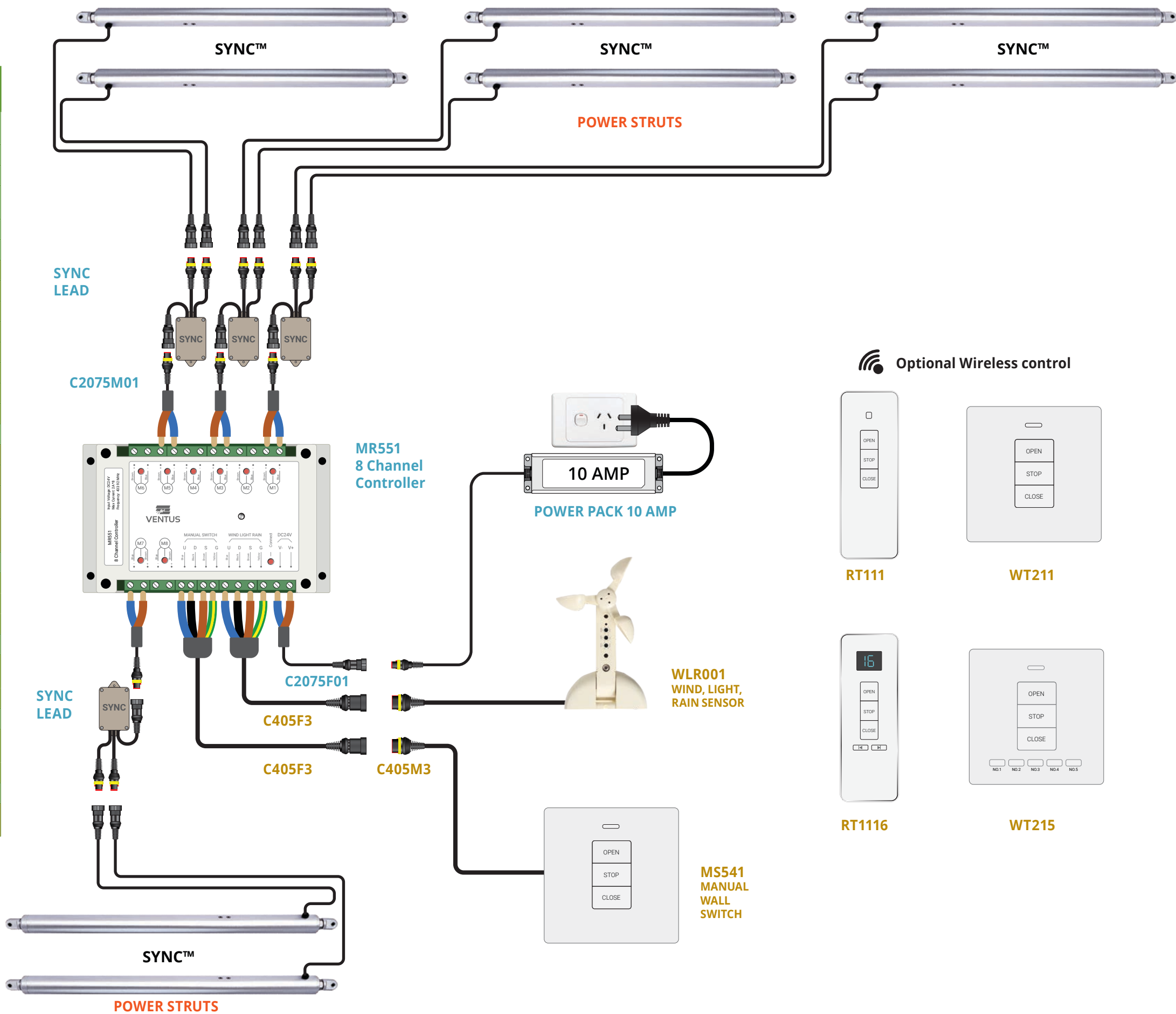
4 WINDOWS (MAXIMUM)

4x2 POWER STRUTS

INSTALLATION VIA GPO

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 4
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345611	S102HL	Sync control lead for Power Struts	Required x 1
1345619	Latch Box Set	Latch Box Set, 316SS hardware pack	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get WLR to work you must order all 2 below			
1345596	WLR001	Wind Light Rain Sensor, 4-Core, Male plug, 6m cable	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
See Power Strut Selection Table for available options			SELECT



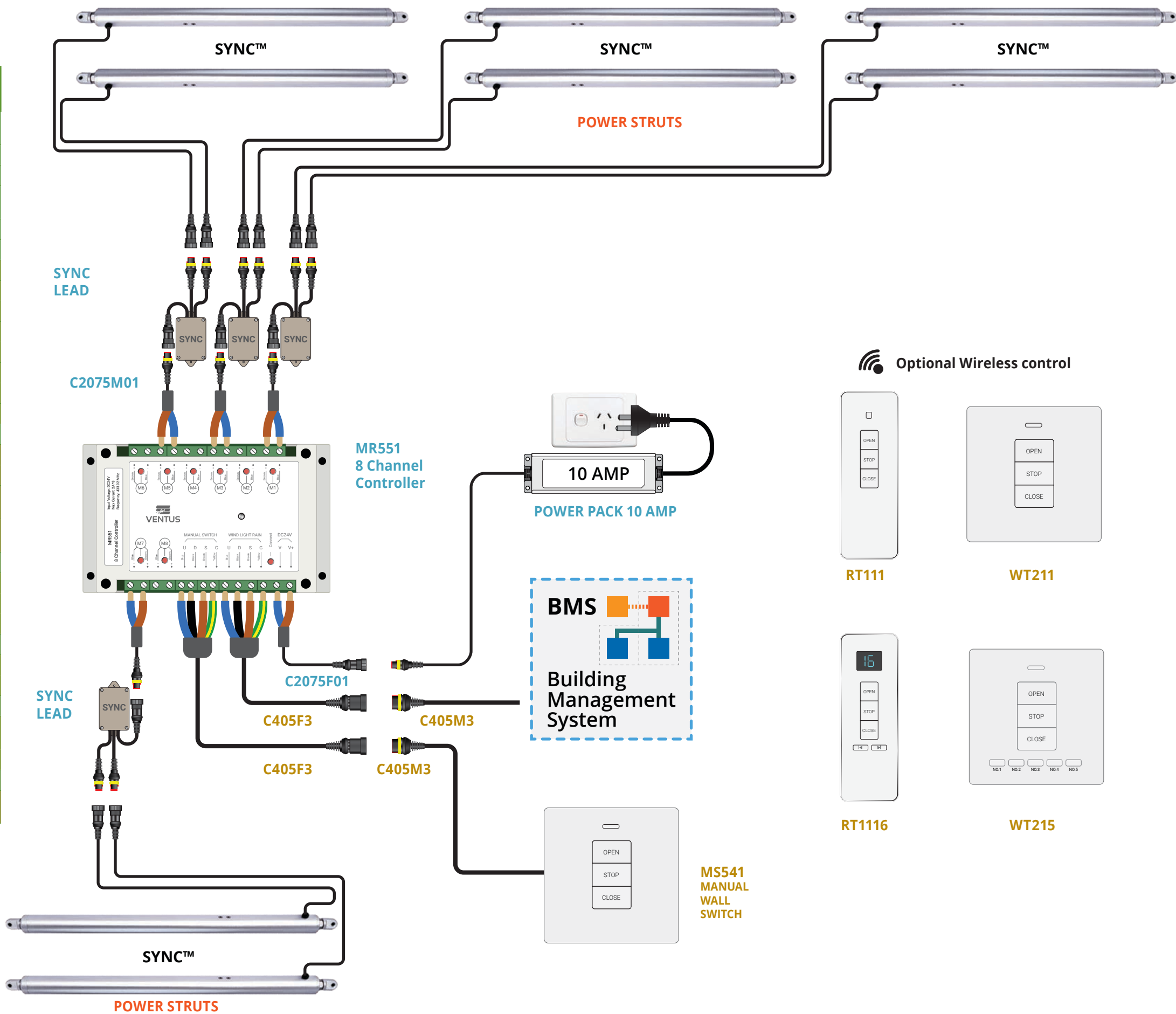
4 WINDOWS (MAXIMUM)

4x2 POWER STRUTS

WITH BMS INTEGRATION

MINIMUM HARDWARE SELECTION + OPTIONS

Part Number	Product Code	Description	
1345581	MR551	8-Channel Controller, 24V DC, 2.8Amp, 433.92MHz	Required x 1
1345582	C2075F01	Cable, 2-Core, Female plug, 100mm	Required x 1
1345583	C2075M01	Cable, 2-Core, Male plug, 100mm	Required x 4
1345585	POWER PACK 10AMP	Power Pack 240V AC to 24V DC, 10 Amp - ELG-240-24A-3Y	Required x 1
1345611	S102HL	Sync control lead for Power Struts	Required x 1
1345619	Latch Box Set	Latch Box Set, 316SS hardware pack	Required x 1
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	Optional
1345592	C2075F3	Cable, 2-Core, Female plug, 3m	Optional
1345613	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m	Optional
1345598	C2075M10	Cable, 2-Core, Male plug, 10m	Optional
1345599	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	Optional
1345612	C405FM3	Cable, 4-Core, Female / Male plugs, 3m	Optional
You must select at least one remote below or MS541			Required
1345587	RT111	Wireless remote control, 433.92MHz	SELECT
1345617	RT1116	16-Channel wireless remote, 33.92MHz	SELECT
1345589	WT211	Wireless wall mounted switch, 433.92MHz	SELECT
1345616	WT215	5-Channel wireless wall mounted switch, 433.92MHz	SELECT
To get MS541 to work you must order all 3 below			
1345605	MS541	Wired wall mounted switch	Optional
1345597	C405F3	Cable, 4-Core, Female plug, 3m	
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
BMS Connection requires			
1345597	C405F3	Cable, 4-Core, Female plug, 3m	Optional
1345609	C405M3	Cable, 4-Core, Male plug, 3m	
To get UPS to work you must order all 2 below			
1345608	21UP2403	Battery Backup UPS, in AC100-240V, out 24V DC, 3A	Optional
1345593	C2075M3	Cable, 2-Core, Male plug, 3m	
Electric motor options			
See Power Strut Selection Table for available options			SELECT



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1 March 2024

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AUTOMATED HARDWARE