



LOUVRE GALLERIES | AUTO HARDWARE | AUTO LOUVRES | AUTO CHAINWINDERS | AUTO POWER STRUTS



VENTUS HARDWARE





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Visit our website
www.doric.com.au/ventus

VENTUS LOUVRE GALLERIES



LOUVRE GALLERIES

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LOUVRE
GALLERIES

Doric Ventus Louvre Galleries are the ultimate solution to Let the breeze in.™

Louvres are the only window system that gives you a 100% Opening Advantage making them the most practical window system when it comes to taking advantage of breezes and natural ventilation.

Louvres offer the least resistance to air flow allowing you to open them for the full breeze, tilt them for ventilation on a rainy day, or simply close them to seal the home and protect it from elements. Cooling and ventilating your home with fresh, natural breezes is not only healthy, but also energy efficient.

Ventus Louvre Galleries offer modern attractive louvre blade clips, a range of handles options and performance tested beyond the Australian Standard requirements. Ventus Louvre Galleries are an outstanding choice for homes and commercial premises across Australia.

The louvre blade clips have been designed to hold 6mm toughened or float blade glass* with a maximum length of up to 950mm in both 102mm and 152mm blade lengths.

FEATURES

- Made from non-toxic, environmentally friendly, UV stabilised, non-corrosive and resilient materials
- Window restriction compliant
- Tested, passed and certified under the most stringent Australian tests
- 6 year warranty
- Automated louvre version available

ADVANTAGES

- Energy efficient louvre windows for maximum energy savings
- Highest performing standard louvre product in Australia
- Offset clips allow clearance of screens when installed in commercial main frame

PRODUCT DETAILS

MATERIALS	Aluminium UV Stabilised Engineered Plastic Stainless steel
FINISH	Mill Finish Powder Coat
HANDLES	Low Profile Ring Pull Auto Louvre
BLADE CLIP SIZES*	102mm 152mm
*SUITS	6mm Toughened Glass 6mm Float Blade Glass Note: Do not use Laminated Glass Do not use glass thicker than 6mm

COLOURS



Important:

Orders exclude glass, Ventus Louvre Galleries suits and requires 6mm toughened or float blade glass. Laminated glass blades are not recommended for louvres as exposure to UV and sunlight deteriorates laminate edges; and additionally where AS1288-2006 Glass in Buildings - Selection & Installation 5.12 is in effect, Grade A toughened safety glass is required.

Doric does not warrant any Ventus Louvre Galleries where laminate glass has been installed. The system is **not** designed to take laminate glass as it creates excess force on the handles and binds the blades.



CONTROL OPTIONS



LOW PROFILE HANDLE

Providing a less conspicuous design, the Low Profile is best suited to smaller galleries that require less closing pressure to operate. A lateral ring pull has also been designed into the handle to facilitate a pole operation.

The Low Profile is also offered in dual handle configuration allowing adjustment from either side.



RING PULL HANDLE

The perfect choice for the high and hard to reach galleries.

The Ring Pull lever offers generous grip for operation by hand, and a large eyelet for use with a map-rod pole.



AUTO LOUVRES

The Auto Louvre system allows users to open and close the Louvres with a remote, wall switch or Cbus/BMS connection. The motor is hidden in the Gallery framing and connected by a plug and play control unit powered by a 24V DC power pack.

LOUVRE LOC



The Ventus Louvre Loc offers a convenient, easy to use method in securing your louvres when in the closed position.

It works just like a window, the Louvre Loc lets you close then lock the louvres for security and peace of mind. Louvre Loc is available for 152mm Series & 102mm Series of Ventus louvre systems.

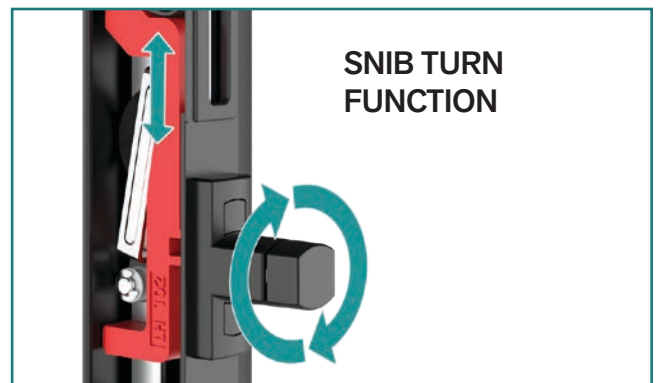
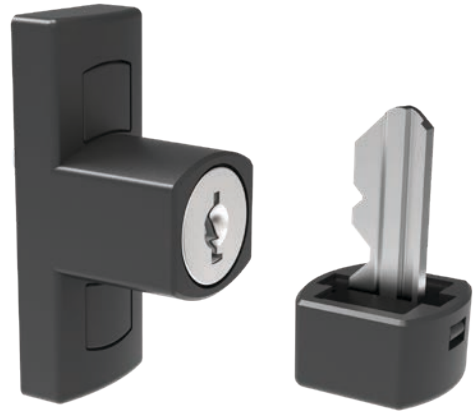
Designed in Australia by Doric, the Louvre Loc fits within the existing Ventus louvre system without any modifications other than drilling the channel for mounting the lock.

FEATURES

- Removable Snib - Unique Australian design turns the snib lock into a removable key for added security
- Easy to use - a simple turn of the snib key secures the louvres when shut

ADVANTAGES

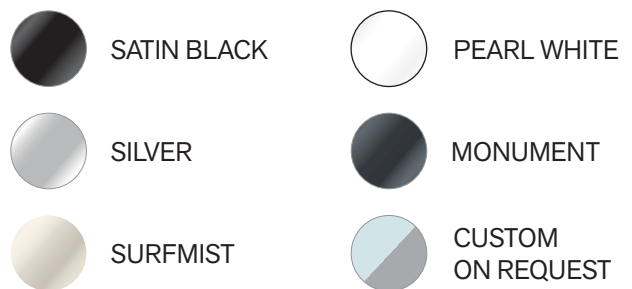
- Colour matched to channels - when ordered together with louvre galleries
- Key Compatibility - Operates with snib key or Doric C4 key profile
- Smart innovative design - An Australian design lead by Doric's R&D team assuring the highest quality and standards



PRODUCT DETAILS

MATERIAL	UV Stabilised Engineered Plastic
FINISH	Mill Finish Powder Coat
COMPATIBLE HANDLES	102mm
	<ul style="list-style-type: none"> ▪ Low Profile ▪ Ring Pull
COMPATIBLE HANDLES	152mm
	<ul style="list-style-type: none"> ▪ Low Profile ▪ Ring Pull

COLOURS



102mm SERIES LOUVRE LOC

For the 102mm Series Louvre, the Louvre Loc is fitted below the handle. When engaged, the locking arm slides up to obstruct and lock the handle.



COMPATIBLE HANDLES:

- Low Profile
- Ring Pull



GALLERY CLOSED
LOCKED POSITION
SNIB KEY IN



GALLERY CLOSED
UNLOCKED POSITION
SNIB KEY OUT



GALLERY OPEN
UNLOCKED POSITION
SNIB KEY IN

152mm SERIES LOUVRE LOC

The 152mm Series Louvre, the Louvre Lock is located below the louvre handle, operating the red locking arm inside the channel that slides up to obstruct and lock the handle in place.



COMPATIBLE HANDLES:

- Low Profile
- Ring Pull



GALLERY CLOSED
LOCKED POSITION
SNIB KEY IN



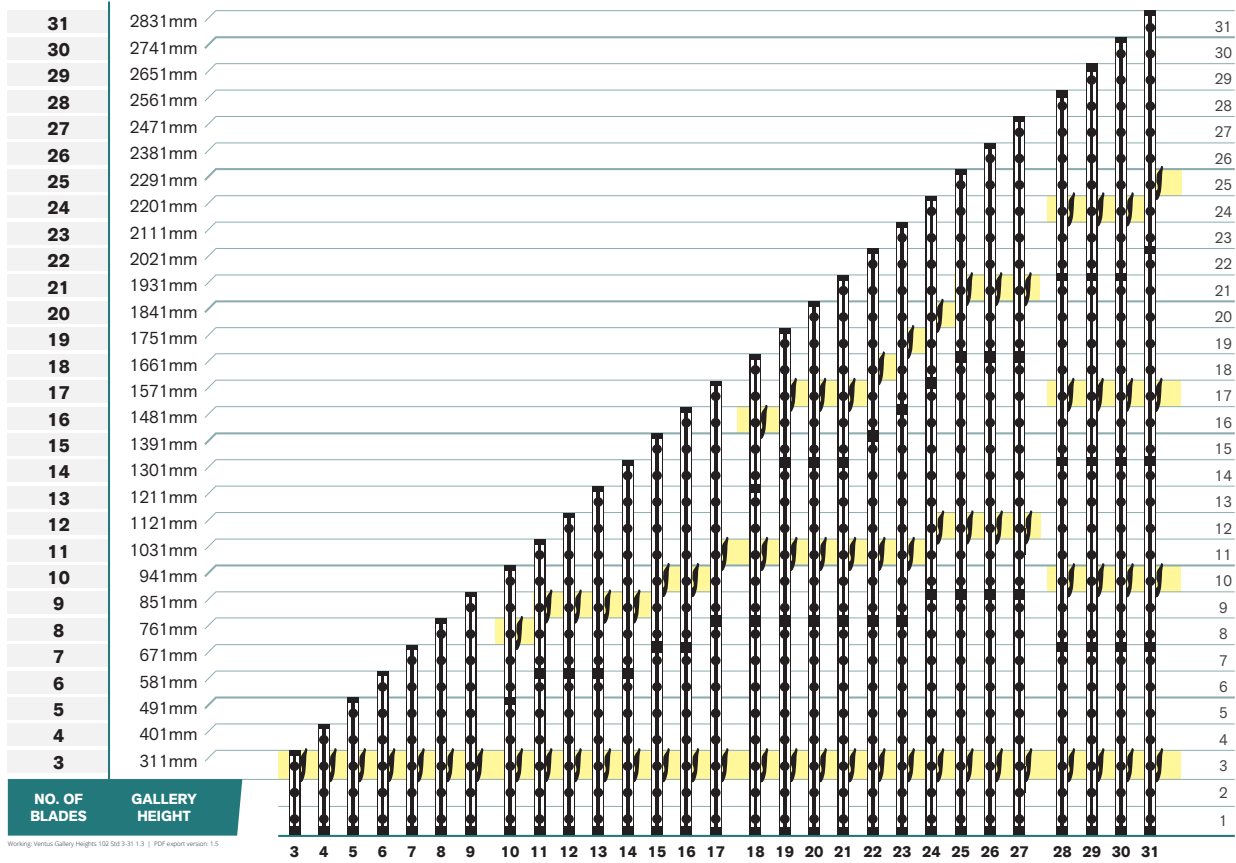
GALLERY CLOSED
UNLOCKED POSITION
SNIB KEY OUT



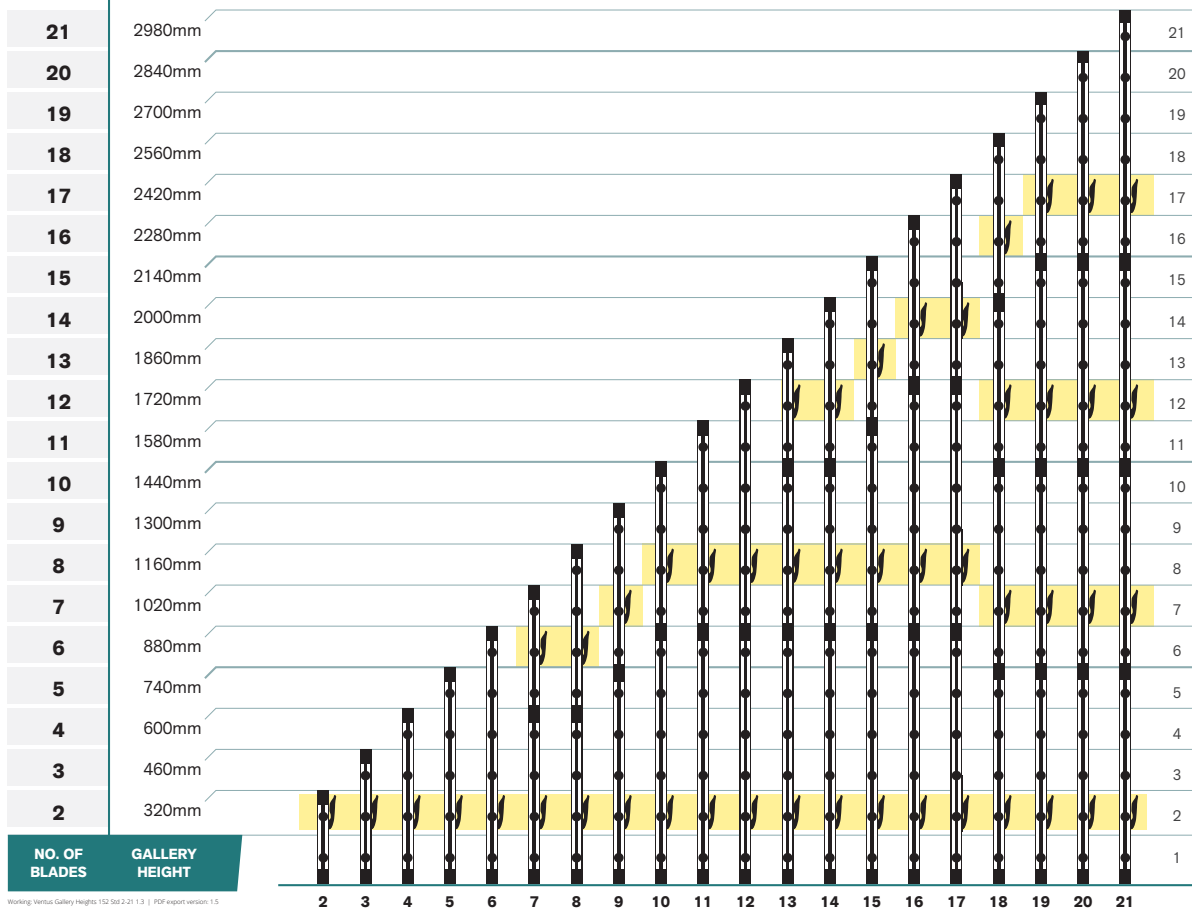
GALLERY OPEN
UNLOCKED POSITION
SNIB KEY IN

GALLERY HEIGHTS & HANDLE LOCATION

VENTUS LOUVRE GALLERY - 102mm SERIES



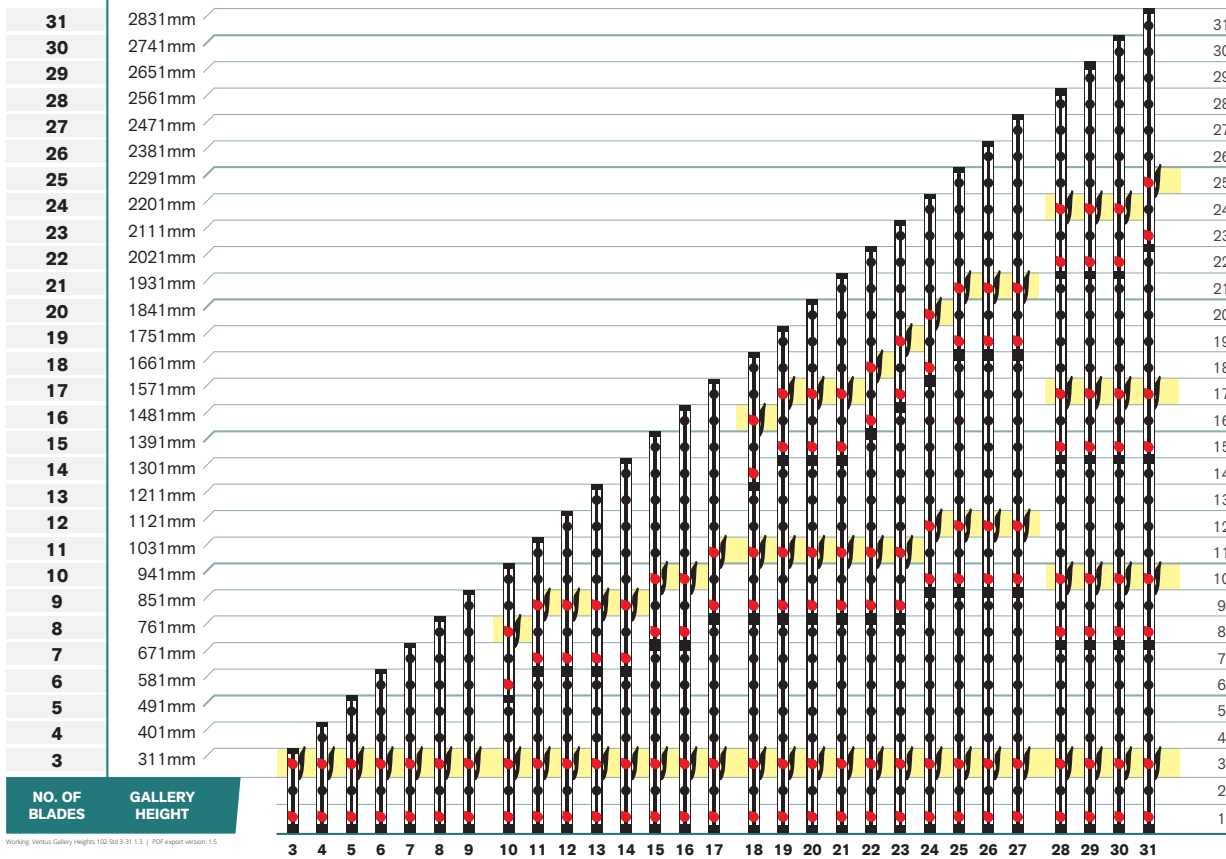
VENTUS LOUVRE GALLERY - 152mm SERIES



GALLERY HEIGHTS & HANDLE LOCATION

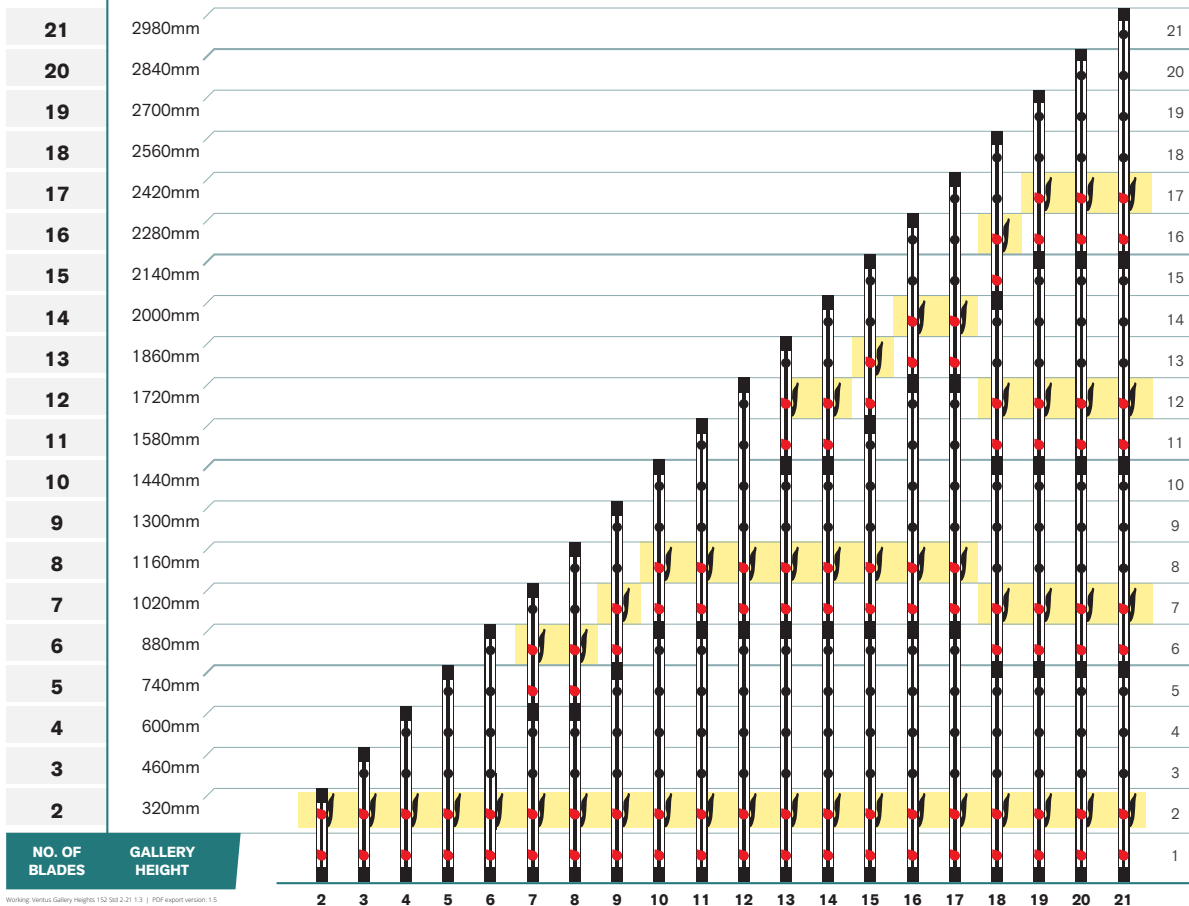
VENTUS LOUVRE GALLERY - 102mm SERIES

RESTRICTED



VENTUS LOUVRE GALLERY - 152mm SERIES

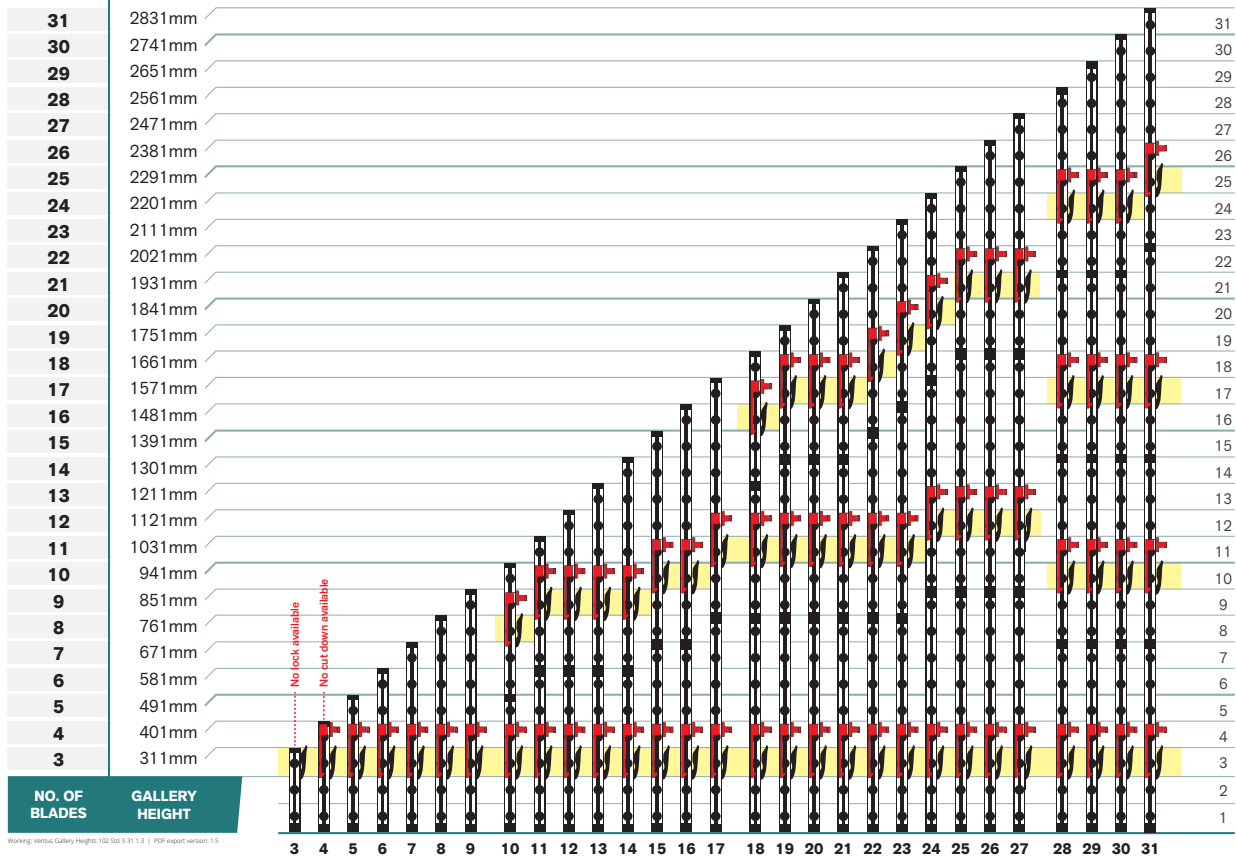
RESTRICTED



GALLERY HEIGHTS & HANDLE LOCATION

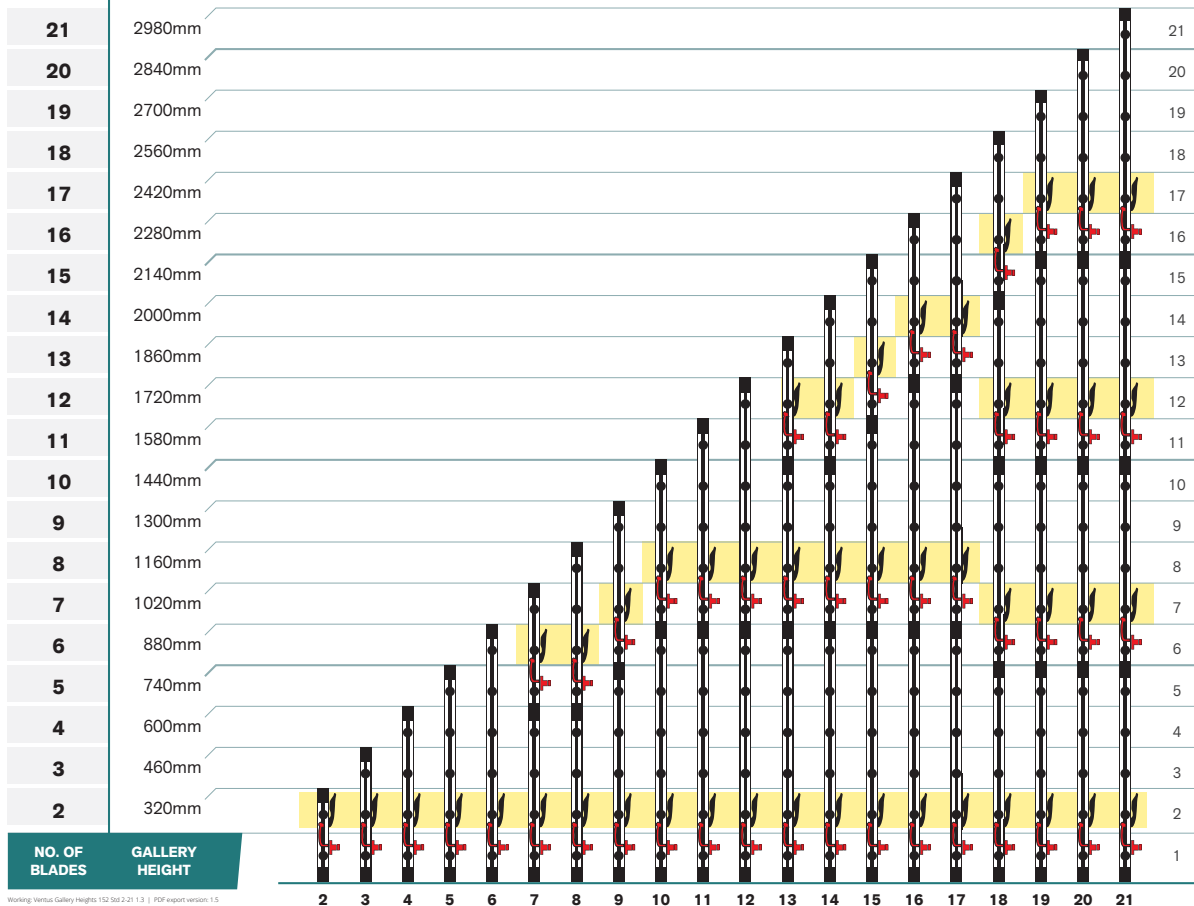
VENTUS LOUVRE GALLERY - 102mm SERIES

WITH LOUVRE LOC®



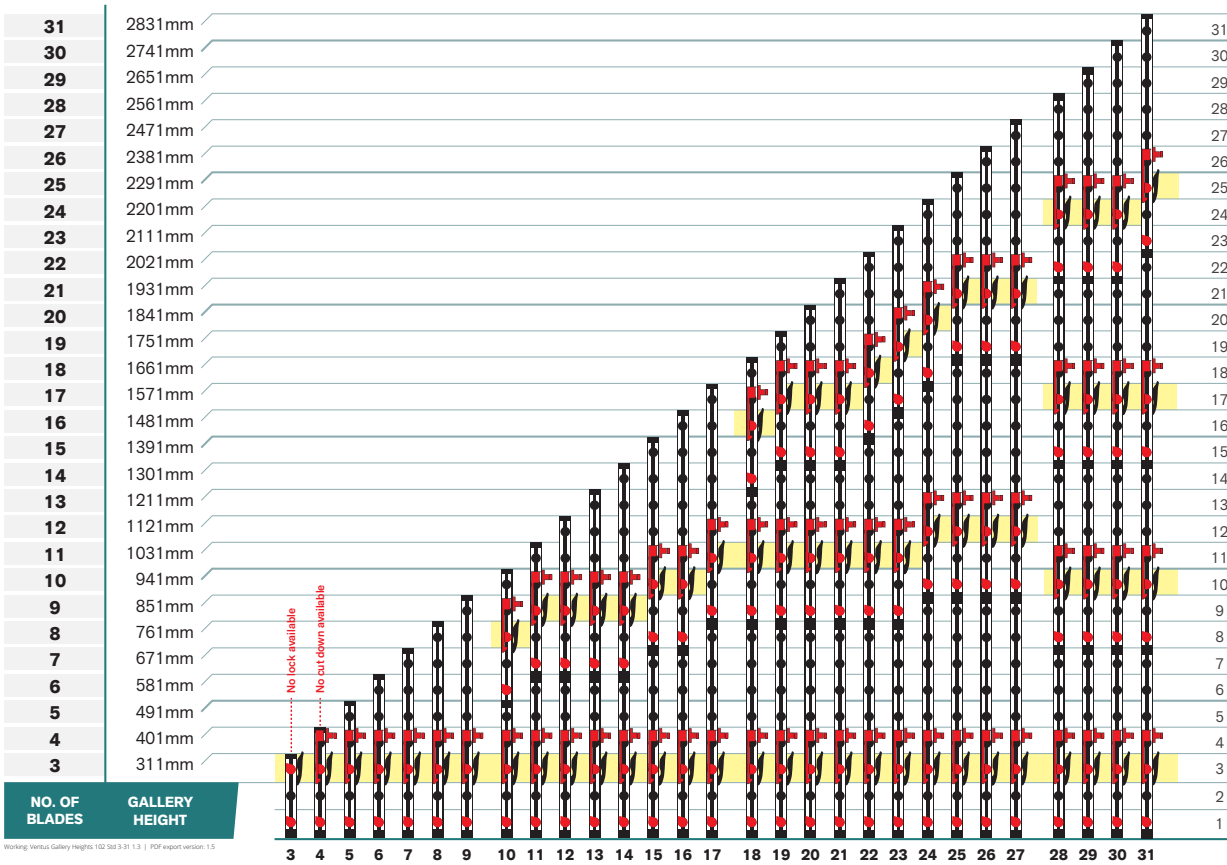
VENTUS LOUVRE GALLERY - 152mm SERIES

WITH LOUVRE LOC®

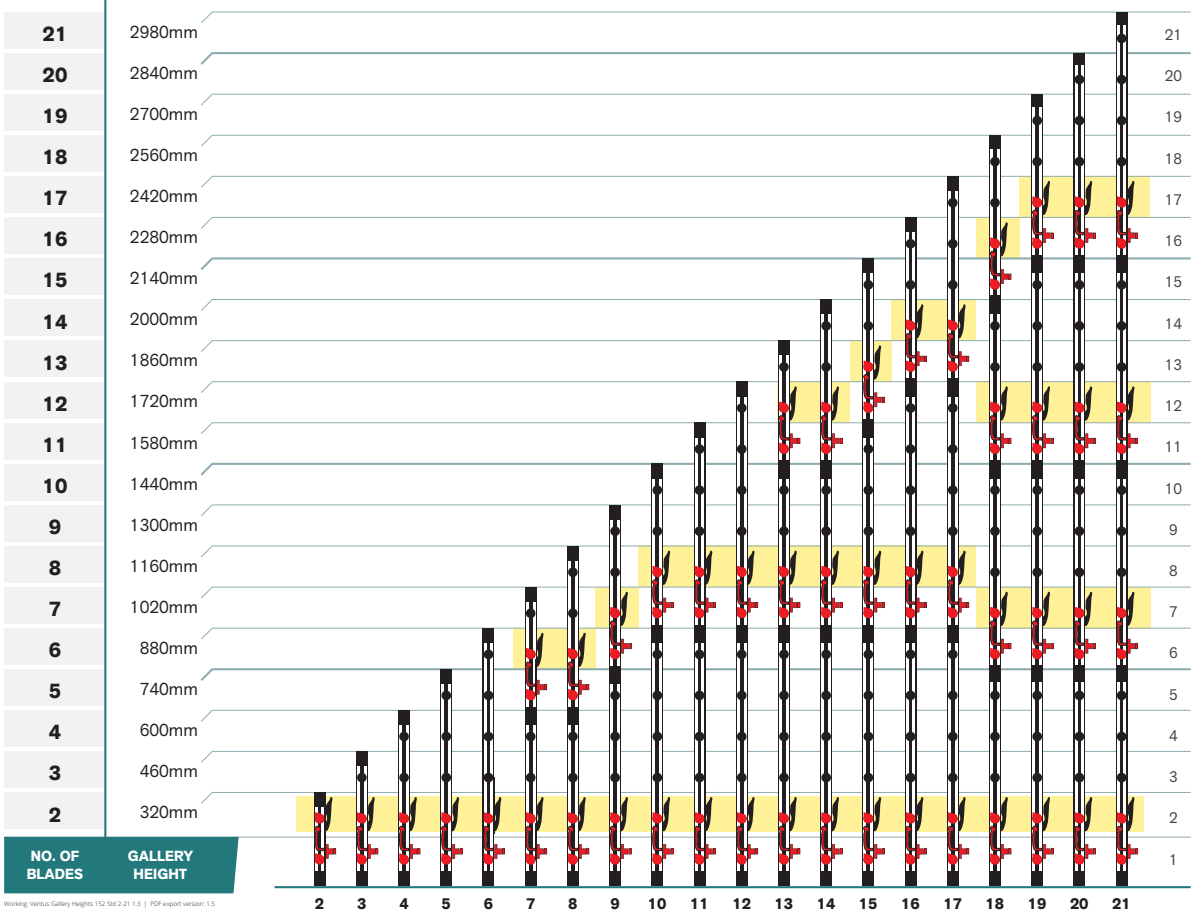


GALLERY HEIGHTS & HANDLE LOCATION

VENTUS LOUVRE GALLERY - 102mm SERIES RESTRICTED WITH LOUVRE LOC

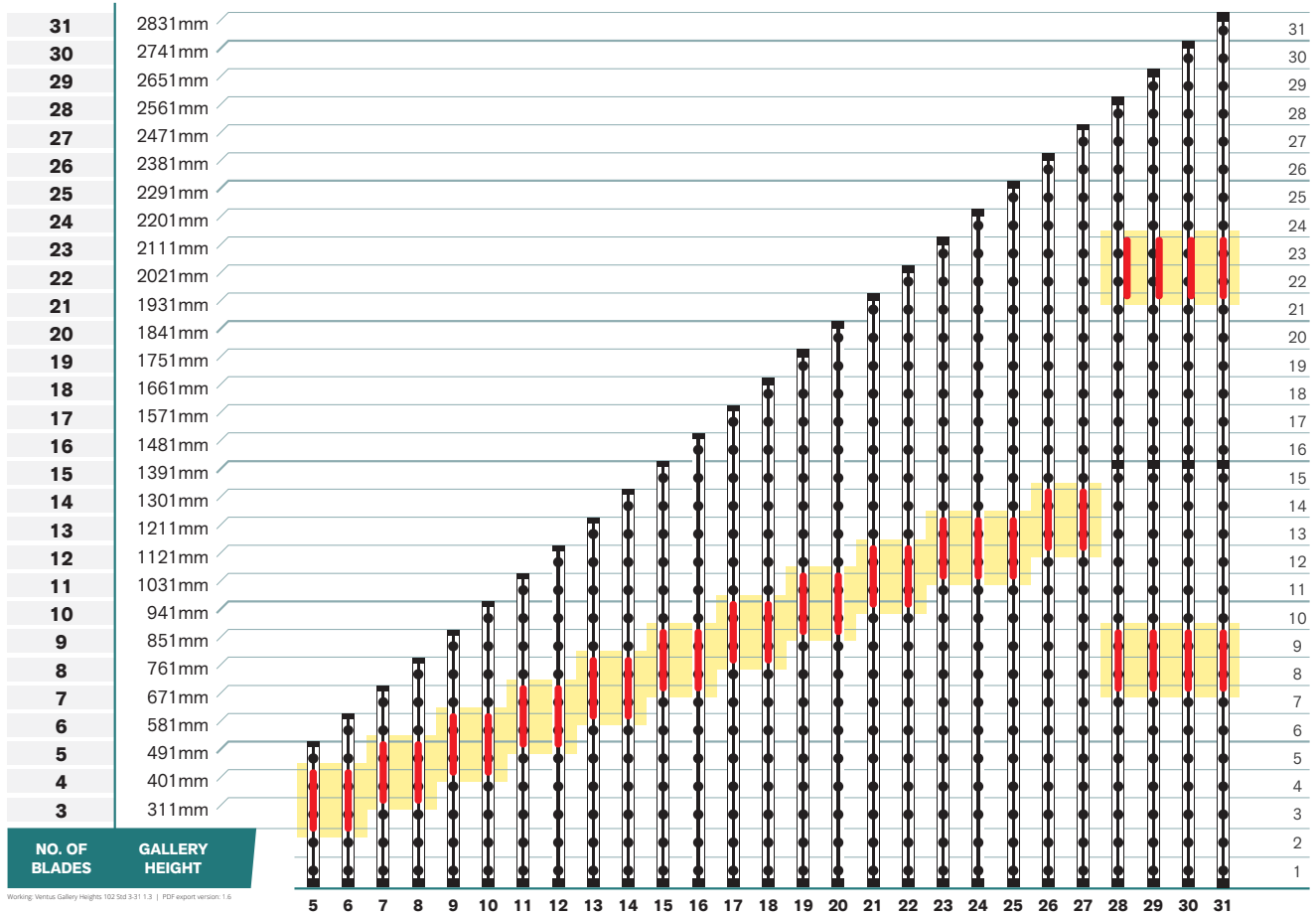


VENTUS LOUVRE GALLERY - 152mm SERIES RESTRICTED WITH LOUVRE LOC



GALLERY HEIGHTS & HANDLE LOCATION

VENTUS LOUVRE GALLERY 102mm AUTO

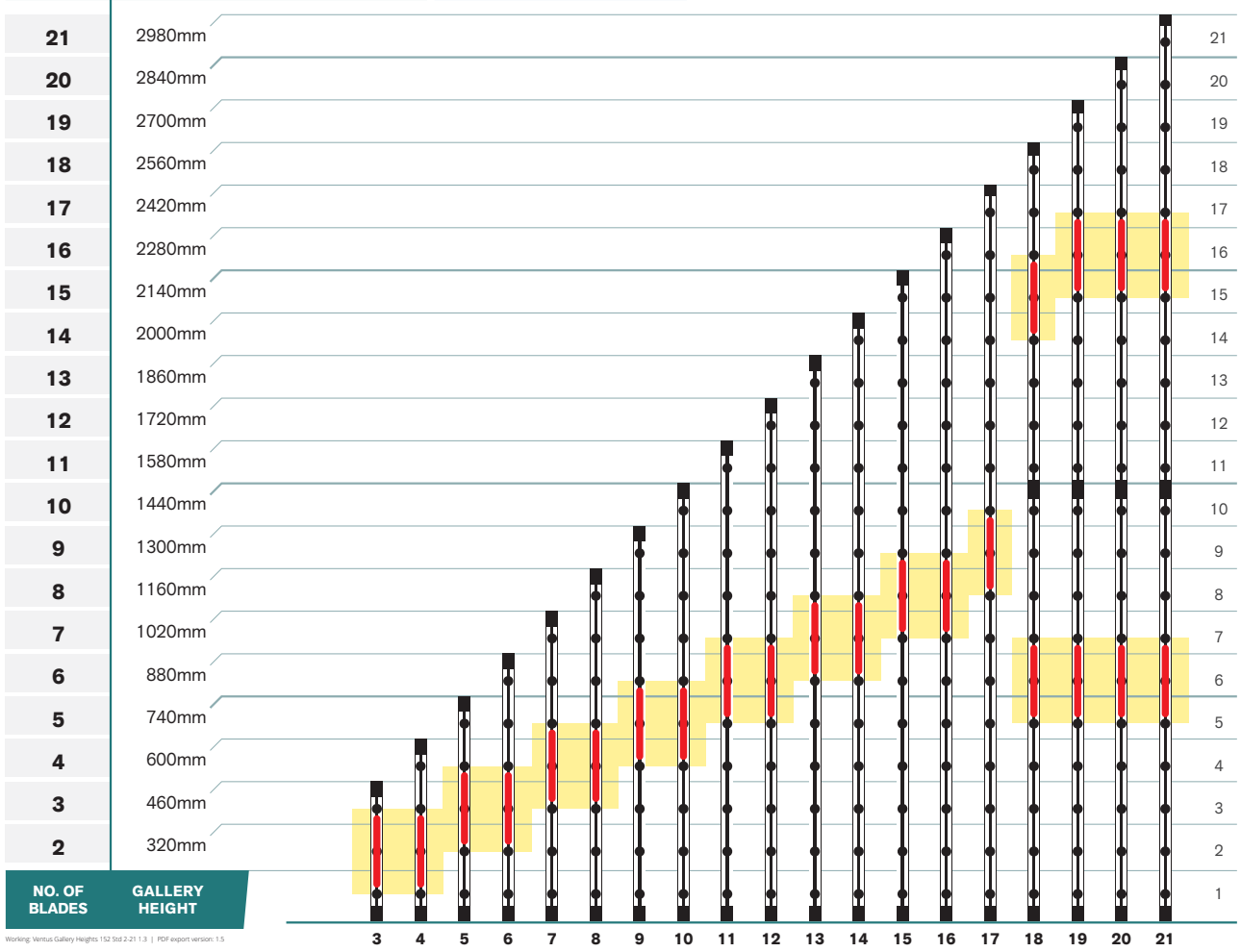


MOTOR LOCATION

Note:
Heights greater than the heights displayed are possible as engineered solutions

GALLERY HEIGHTS & HANDLE LOCATION

VENTUS LOUVRE GALLERY 152mm AUTO



Working: Ventus Gallery Heights 152 302 2-21 1.3 | PDF export version: 1.5


**MOTOR
LOCATION**

Note:
Heights greater than the heights displayed are possible as engineered solutions

FALL PREVENTION AND BLADE RETENTION

Ventus louvres have been tested to exceed requirements as stated by the BCA in both Fall Prevention and Blade Retention. Testing proved that a sphere of 125mm will not pass through the louvre when a horizontal outward force of 250N is applied. Restricted louvres with blades of up to 850mm are achieved when a dedicated permanent restrictor caps are installed. This means that the louvre restrictor cannot be removed or unlocked or over ridden.

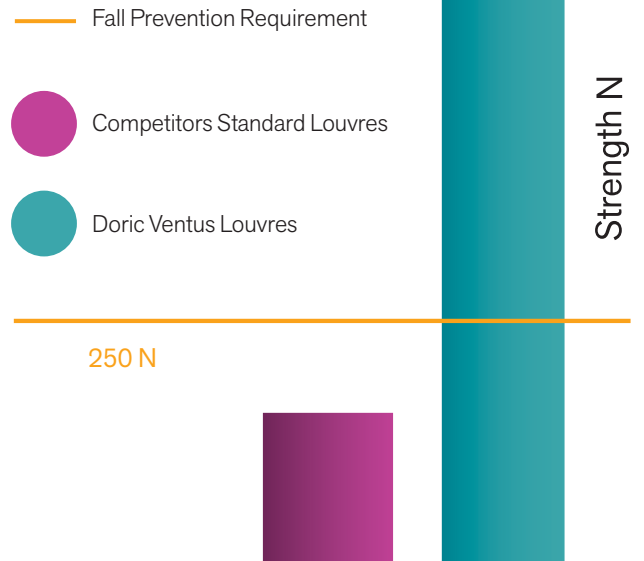


Ventus Louvres exceed the fall prevention requirements as stated by the BCA with restrictor cams applied. They have been tested and exceed the required 250N.

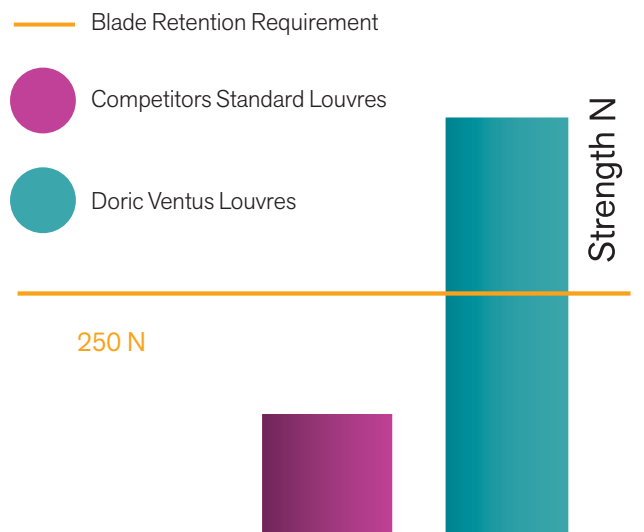
Testing proves that a 125mm sphere will not pass through the louvre when a horizontal outward force of 250N is applied.

The Ventus Louvre Clip design achieves higher levels of blade retention when tested. Testing proved that with sustained loads being applied to the blades in accordance with the ICP005, the glass is safely retained in the clips without the need for further mechanical locking. The Ventus Louvre Galleries is the perfect choice of window for openings in high applications, multi-story, patio and balcony enclosures or winter gardens.

FALL PREVENTION



BLADE RETENTION



DO WE STAND UP TO THE ELEMENTS?



By combining cutting edge design, quality materials and precision manufacturing we built a gallery that is all about performance. We put the Ventus Louvre gallery through one of the most stringent testing regimes on the planet - the AS4420 (Testing methods for windows), and certified it in accordance to AS2047-1999 (Windows in buildings).



HOW TO ORDER



102mm Series Louvre Gallery



152mm Series Louvre Gallery



Low Profile Handle



Ring Pull Handle



Auto

102mm SERIES | LOUVRE GALLERIES

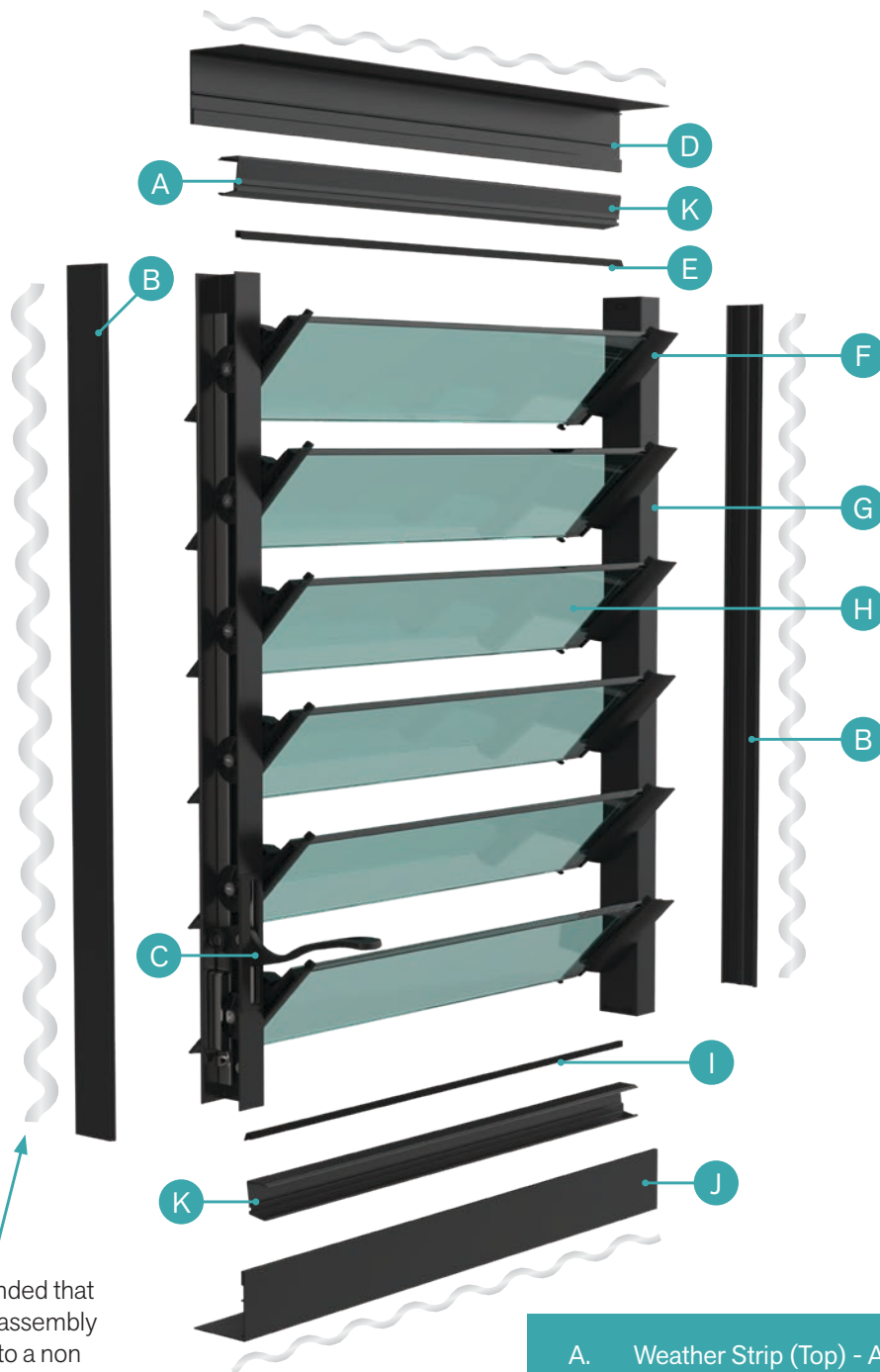
BLADE CLIP SIZE	NO. BLADES	HANDLE	HANDLE SIDING	COLOUR	RESTRICTION	LOUVRE LOC	RETRO FIT KIT
102mm	3-31	Low Profile	Right Hand Left Hand	Satin Black	Yes No	Yes No	Yes No
102mm	3-31	Low Profile Dual		Pearl White			
102mm	3-31	Ring Pull		Silver			
102mm	5-31	Auto	No Handing	Monument Surfmist Clear Anodised Custom <i>(on request)</i>	-	-	

152mm SERIES | LOUVRE GALLERIES

BLADE CLIP SIZE	NO. BLADES	HANDLE	HANDLE SIDING	COLOUR	RESTRICTION	LOUVRE LOC	RETRO FIT KIT
152mm	2-21	Low Profile	Right Hand Left Hand	Satin Black	Yes No	Yes No	Yes No
152mm	2-21	Low Profile Dual		Pearl White			
152mm	2-21	Ring Pull		Silver			
152mm	4-21	Auto	No Handing	Monument Surfmist Clear Anodised Custom <i>(on request)</i>	-	-	

VENTUS | LOUVRE GALLERIES

GENERAL RETROFIT ASSEMBLY



It is recommended that when general assembly is installed into a non dedicated louvre frame silicone is applied to the perimeter of components.

- A. Weather Strip (Top) - AL1309
- B. Gallery Adaptor - AL1312
- C. Louvre Gallery Handle
- D. Plant On Sill and Head - AL1314
- E. Fixed Blade Carrier (Optional) - AL1310
- F. Blade Clip
- G. Gallery Channel
- H. Glass Blade (Not included)
- I. Weather Strip (Bottom) - AL1309
- J. Plant On Sill and Head - AL1314
- K. Rubber Weather Seal

AL1309-B | WEATHER STRIP

Weatherstrip (Top & Bottom).

MATERIAL	Aluminium
FINISH	Powder Coat
LENGTHS	3 meters



ORDER CODE	COLOUR
9048208	Black
9048209	Silver
9048210	White
9051386	Mill Finish
#	Custom

AL1310 | FIXED BLADE CARRIER

Fixed Blade Carrier (Optional), used to support glass in fixed blade application. Extrusion sold in 3m lengths.

MATERIAL	Aluminium
FINISH	Powder Coat
LENGTHS	3 meters

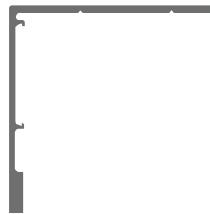


ORDER CODE	COLOUR
9048214	Black
9048215	Silver
9048216	White
9051388	Mill Finish
#	Custom

AL1314 | PLANT ON WEATHER STRIP

Plant on Weatherstrip. Extrusion sold in 3m lengths.

MATERIAL	Aluminium
FINISH	Powder Coat
LENGTHS	3 meters



ORDER CODE	COLOUR
9048211	Black
9048212	Silver
9048213	White
9051387	Mill Finish
#	Custom

AL1312 | LOUVRE RETRO FIT ADAPTOR

The Louvre Retro Fit Adaptor is used when gallery installation is not being installed in a dedicated louvre frame.

MATERIAL	Aluminium
FINISH	Powder Coat
LENGTHS	3 meters



ORDER CODE	COLOUR
9048217	Mill Finish

SC31 | RUBBER WEATHER UV SEAL

MATERIAL	Rubber
FINISH	Mill black



ORDER CODE	DESCRIPTION
9048993	SC31 UV Seal: 250m roll
9049767	SC31 UV Seal: 3m length

VENTUS GLASS DEDUCTION



(Glass Deduction = Opening Size minus 68mm)

Note: Ventus Louvres are suitable for 6mm thick glass

MANUAL LOUVRES

MANUAL

Opening Size
minus -
68mm
= GLASS SIZE



(Glass Deduction = Opening Size minus 113mm)

Note: Ventus Louvres are suitable for 6mm thick glass

AUTO LOUVRES

AUTO

Opening Size
minus -
113mm
= GLASS SIZE

Glass Blades **not** included. Fits 6mm toughened or float blade glass required. Laminated glass blades are not recommended for louvres as exposure to UV and sunlight deteriorates laminate edges; and where AS1288-2006 Glass in Buildings - Selection & Installation 5.12 is in effect, Grade A toughened safety glass is required.

Doric does **not** warrant any Ventus Louvre Galleries where laminate glass has been installed. The system is not designed to take laminate glass as it creates excess force on the handles and binds the blades.

FIXED BLADE DEDUCTIONS

FOR NON STANDARD HEIGHT

A fixed blade is used when the height of the opening is smaller than that of a standard gallery height. For this, start with using the next size up standard gallery height above you required height and follow the calculations below.

Fix Blade Calculation:

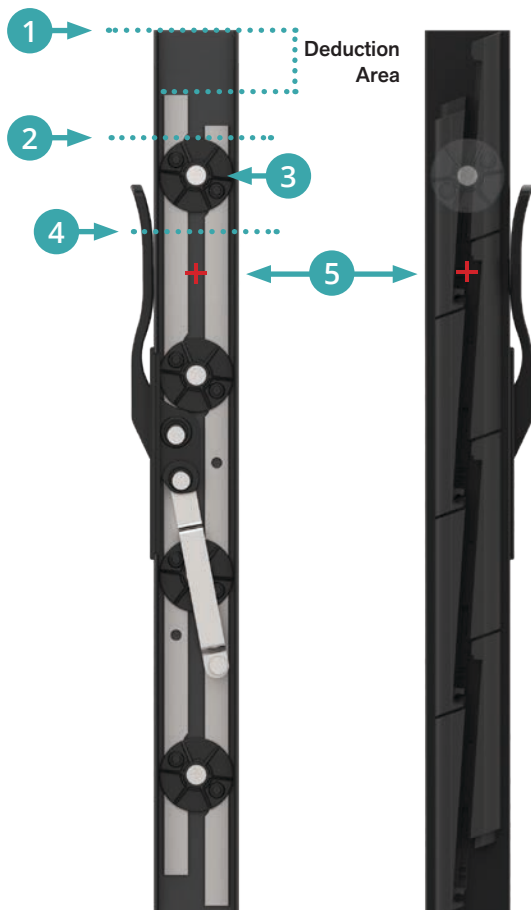
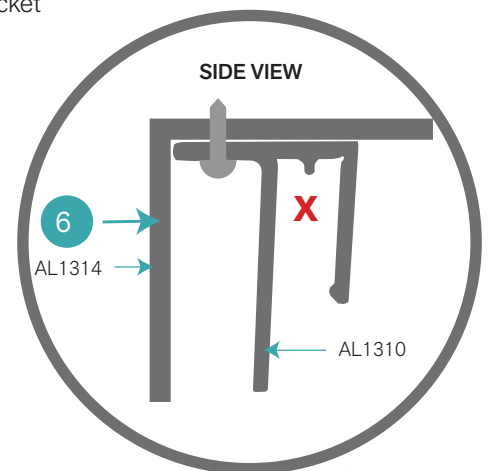
Standard gallery height – (minus) Required height – (minus) 10mm = Cut measurement;
 Clip size (either 152mm or 102mm) – (minus) Cut measurement = Fixed Blade Height.

For example with a 152mm Gallery, a window height of 2200mm will require a 16 blade (2280mm) gallery. This will be cut down 80mm to 2200mm and the top clip disconnected and screwed off into the fixed position.

Fixed blade installation instructions:

1. Select the blade that is one size bigger than opening dimension (Refer to standard height chart).
2. Trim channel and clip to suit (see deduction area)
3. Disconnect link arms from pivot cap
4. Cut link arms
5. Screw through the blade clip + to the gallery channel from inside the glazing pocket
6. When a blade is less than 152mm or 102mm, a fixed blade carrier as shown is required to be screwed into the frame to support the glass

Note: A fixed blade is required to be sealed and supported. To do this, screw AL1310 and AL1314 into the outer frame and then install the glass where indicated "X"



VENTUS AUTOMATED HARDWARE



AUTO HARDWARE

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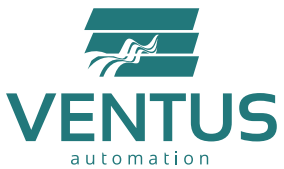
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AUTO POWER STRUT	44
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**AUTOMATED
HARDWARE RANGE**

“The easy way to Plug&Play” with Doric's Ventus Automated Hardware range.

Doric Ventus Automated hardware provides a complete range of automated window hardware for Residential and Commercial applications.

Easy to install, the 'Plug&Play' system runs on a 24V DC power supply for simplicity, reliability and ease of connection, not requiring an electrician to wire.

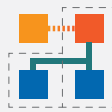
Suiting a variety of applications Doric Ventus Automated hardware can be used in floor to ceiling systems as well as those hard to reach areas.

Ventus Auto Louvre Galleries are a complete window solution, offering the frame, louvre blade clips and motorisation, ready for on-site installation.

Auto Chainwinders are a great option for new and existing awning and casement windows.

**IP32
RATED**

When installed according to installation instructions



**OPERATES ON ALL
BMS & C-BUS**



C TICK Certified



**WATCH OUR VIDEO:
VENTUS AUTOMATED HARDWARE**

YouTube **Alchin Long Group**

PLUG&PLAY SYSTEM

The Doric Ventus 'Plug & Play' system features a range of controllers, switches and motors all connectable via quick connect plugs adding speed and ease to installation.

CONTROLLERS

The 'Plug & Play' system offers control for up to eight windows and capable of operating the window operator motors all at the same time being managed through a Controller,

REMOTES & CONTROLS

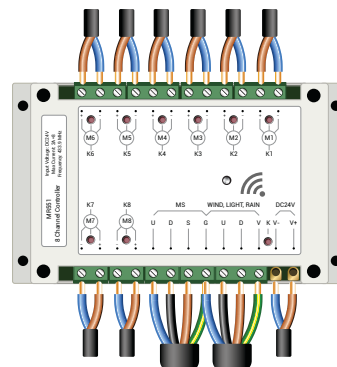
One controller can be connected to an infinite number of switches and remotes, allowing you to put the controls where you want for absolute convenience.

POWER SUPPLY

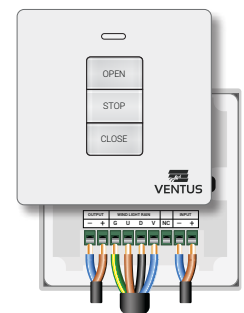
Running on 24V DC, the system by design only requires a GPO or regular mains power outlet at the reach of the supplied power pack to plug into. A key benefit the Doric Ventus 'Plug & Play' system offers is no need for an electrician to wire up the hardware components.

AUTOMATED CONTROLS

A Wind Light Rain Sensor can be added to offer an automatic control when the weather turns undesirable. The system also alternatively allows to connect into the existing Building Management System (BMS) or C-BUS.



MR551
8 Channel Controller



MR536
1 Channel Controller



2 Pin Plugs
Power and Motors

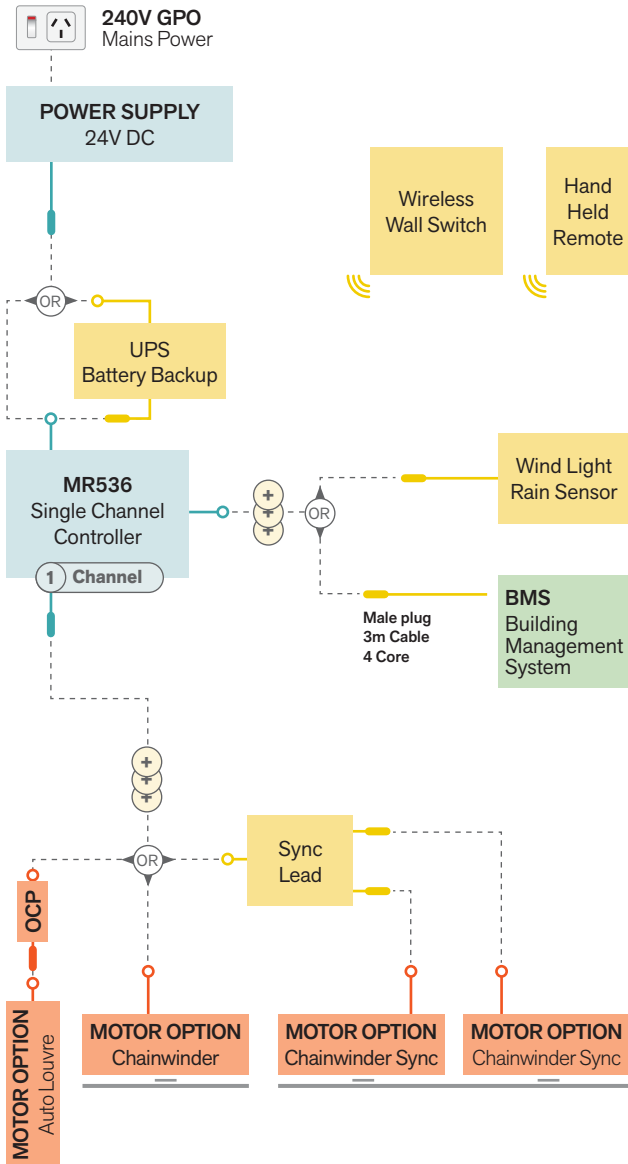


4 Pin Plugs
Accessories



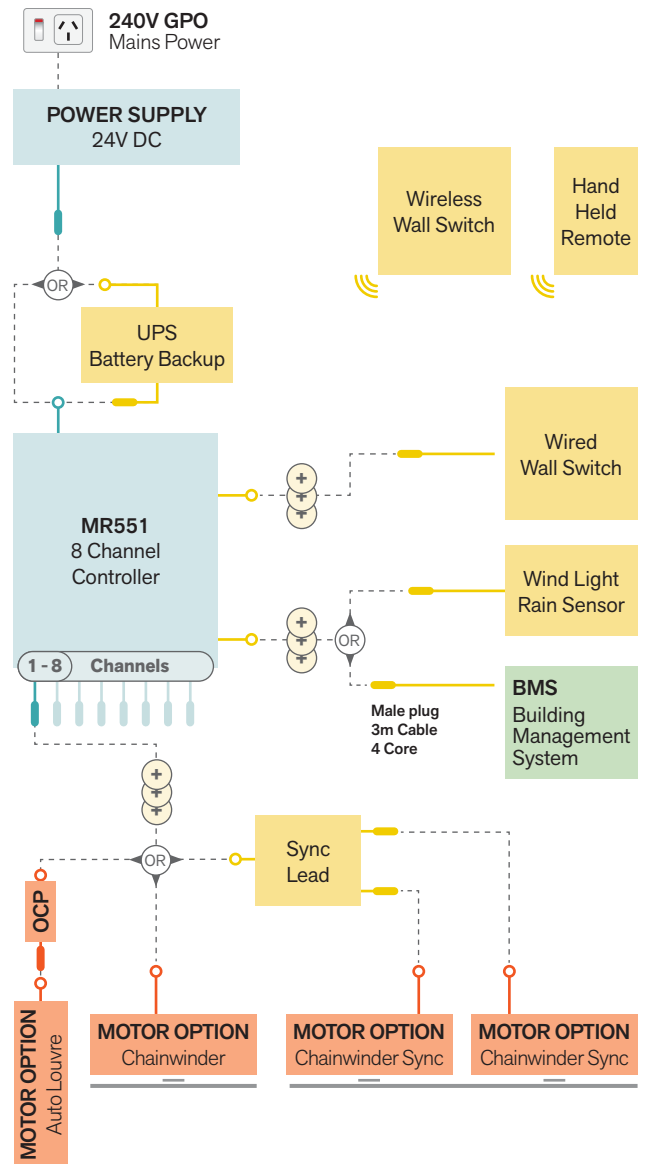
QUICK LAYOUT GUIDE

1 CHANNEL LAYOUT



8 CHANNEL LAYOUT

(UP TO 8 MOTORS FROM ONE CONTROLLER)



SELECTION REQUIREMENTS:

BASE/MINIMUM	Base requirement for the system to work.
OPTIONS	These items are added if required.
MOTOR OPTION	Your selected automated window motor option.

- ADDITIONAL 'PLUG & PLAY' EXTENSION LEADS AVAILABLE**
- EITHER/OR OPTION**
- AVAILABLE CHANNELS**
Repeat wiring per channel as required

IMPORTANT:

- System and Motors operate on 24V DC

1-4 Motors require 2.5amp Power Pack

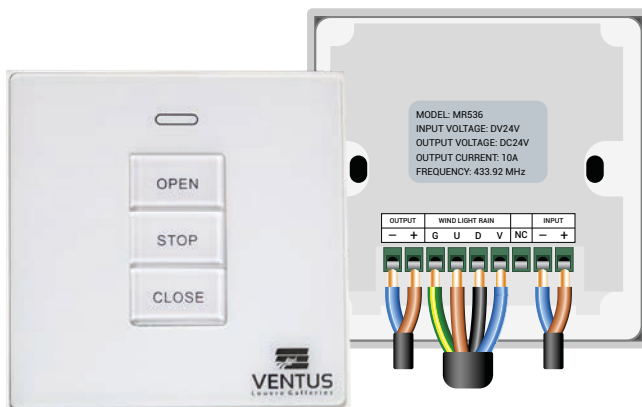
5+ Motors require 10amp Power Pack

Note: TCE300 Twin Chainwinder uses two motors.

- Repeat wiring for each channel/window as required
- For Sync'd Chainwinders, utilise channels 1, 3, 5, 7
- TCE300 Twin Chainwinder not available for Sync
- Comprehensive electrical drawings and component lists are available on the Doric website

MR536 | 1-CHANNEL CONTROLLER

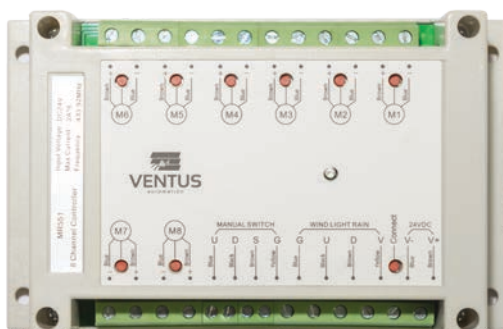
- Control for one window
- Made by low-power and high-speed CMOS technology
- Strong anti-interference ability
- Integrated control pad
- Wireless remote controllable
- Can connect with Wind Light Rain Sensor
- Can store up to 16 transmitter signals
- In-built motor protection, cutting power off automatically in 5mins
- Installation Size: 86x86x35mm



OUTPUT CHANNELS	1-Channel
INPUT VOLTAGE	24V DC
OUTPUT VOLTAGE	24V DC
MAX. CURRENT	10 Amps
FREQUENCY	433.92MHz
RECEIVING SENSITIVITY	-100dBm
WORKING TEMP	-20~ +65°C
CONNECTORS REQUIRED	C2075F01 (Power) C2075M01 (Channel Output)
CODE	9048965

MR551 | 8-CHANNEL CONTROLLER

- Control up to 8 actuators separately or simultaneously
- External switching power supply and manual switch
- Made by low-power and high-speed CMOS technology
- Strong anti-interference ability
- Wired control pad & wireless remote controllable
- Can connect with Wind Light Rain Sensor
- In-built motor protection, cutting power off automatically in 5mins
- Installation Size: 145x90x40mm



OUTPUT CHANNELS	8-Channel
VOLTAGE	24V DC
MAX. CURRENT	2 Amps x 8
FREQUENCY	433.92MHz
RECEIVING SENSITIVITY	-100dBm
WORKING TEMP	-20~ +65°C
CONNECTORS REQUIRED	C2075F01 (Power Input) C2075M01 (Channel Output)
CODE	9048966

2.5AMP | POWER PACK

This power pack plugs into a GPO or regular mains power outlet to supply the required 24V DC at 2.5 Amps, enough to power up to 4 motors.



INPUT / OUTPUT	240V AC to 24V DC, 2.5A
ORDER CODE	9048971

10AMP | POWER PACK

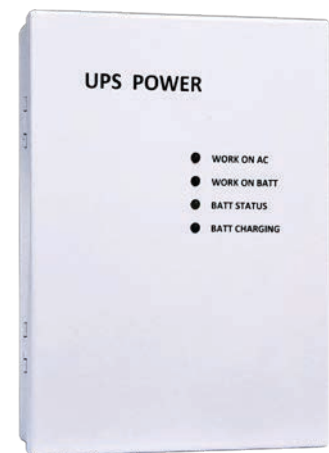
This power pack plugs into a GPO or regular mains power outlet to supply 24V DC at 10 Amps, enough to power up to 8 motors.



INPUT / OUTPUT	240V AC to 24V DC, 10A
ORDER CODE	9052175

21UP2403 UPS | BATTERY BACKUP POWER

- 24V DC 3 Amps UPS uninterruptible power supply
- 100V-240VAC wide voltage input
- Two 12V DC 2.6Ah lead-acid batteries in series
- 4 working status LED indicators
- Batteries outputs when AC power failure, battery is charged automatically
- Short circuit / overload / input over voltage / battery low voltage protection / reverse polarity protection



INPUT / OUTPUT	240V AC to 24V DC, 3A
CONNECTORS REQUIRED	C2075M3 - Cable, 2-Core, Male plug, 3m
ORDER CODE	9050603

WLR001 | WIND LIGHT RAIN SENSOR

- Works with controller to automatically close windows when it is rainy or windy
- UV material plastic cover, be suitable for outdoor installation
- Wind sensor parts utilize double stainless bearings to ensure high sensitivity
- Precise strength and sensitivity adjustment controls

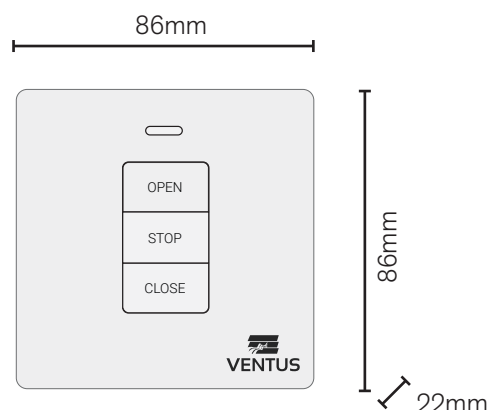


CONNECTORS REQUIRED	C405F3 - Cable, 4-Core, Female plug, 3m
ORDER CODE	9048970

MS541 | WIRED WALL MOUNTED SWITCH

- Dry contact manual switch
- Works with MR55I controller

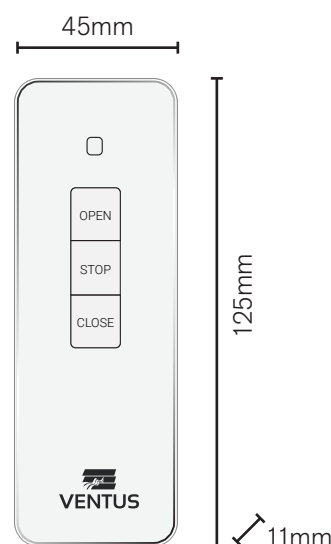
CHANNELS	One channel
CONNECTORS REQUIRED	C405M3 - Cable, 4-Core, Male plug, 3m C405F3 - Cable, 4-Core, Female plug, 3m
ORDER CODE	9048969



RT111 | 1-CHANNEL WIRELESS REMOTE CONTROL

- Made by low-power and high-speed CMOS technology
- Strong anti-interference ability
- Excellent wireless signal
- Pairs with MR536 & MR551 controllers

CHANNELS	One channel
DISTANCE	<50m
BATTERY	3V CR2430
FREQUENCY	433.92MHz
ORDER CODE	9048967



RT1116 | 16-CHANNEL WIRELESS REMOTE CONTROL

- Program up to 16 channel pairing combinations
- Made by low-power and high-speed CMOS technology
- Strong anti-interference ability
- Excellent wireless signal
- Pairs with MR536 & MR551 controllers

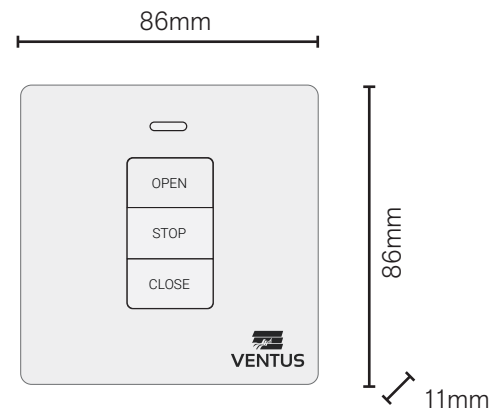
CHANNELS	16 channels
DISTANCE	<50m
BATTERY	3V CR2430
FREQUENCY	433.92MHz
ORDER CODE	9103586



WT211 | 1-CHANNEL WIRELESS WALL MOUNTED SWITCH

- Made by low-power and high-speed CMOS technology
- Strong anti-interference ability
- Excellent wireless signal
- Pairs with MR536 & MR551 controllers

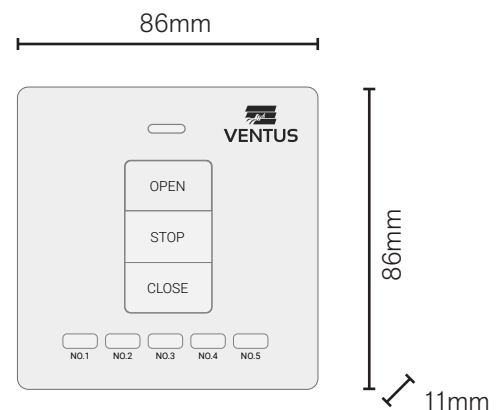
CHANNELS	1 channel
DISTANCE	<50m
BATTERY	3V CR2430
FREQUENCY	433.92MHz
ORDER CODE	9048968



WT215 | 5-CHANNEL WIRELESS WALL MOUNTED SWITCH

- Program up to 5 pairing combinations
- Made by low-power and high-speed CMOS technology
- Strong anti-interference ability
- Excellent wireless signal
- Pairs with MR536 & MR551 controllers

CHANNELS	5 channels
DISTANCE	<50m
BATTERY	3V CR2430
FREQUENCY	433.92MHz
ORDER CODE	9104966



C1F2M | MOTOR CONTROL TEST LEAD

Handy for fabricators and installers. This test lead provides a 'off' 'open' and 'close' rocker switch to operate a motor actuator directly off a Power Pack 24V DC power supply without needing to connect a controller unit. Handy for fast fault finding and quality assurance checks either on site or in the factory.



ORDER CODE	PRODUCT	DESCRIPTION
9052968	C1F2M	Motor Control Test Lead

C2075F## | 2-CORE FEMALE PLUG

Wires into Controller Unit to connect power supply

ORDER CODE	PRODUCT	DESCRIPTION
9048985	C2075F01	Cable, 2-Core female plug, 100mm
9048973	C2075F3	Cable, 2-Core female plug, 3m



C2075M# | 2-CORE MALE PLUG

Wires into Controller Unit to connect channel output to motors

ORDER CODE	PRODUCT	DESCRIPTION
9048986	C2075M01	Cable, 2-Core male plug, 100mm
9048972	C2075M3	Cable, 2-Core male plug, 3m
9052671	C2075M10	Cable, 2-Core male plug, 10m



C2075FM# | 2-CORE FEMALE-MALE PLUG

Extension cables for Ventus Plug&Play system

ORDER CODE	PRODUCT	DESCRIPTION
9048974	C2075FM3	Cable, 2-Core, Male / Female plugs, 3m
9052758	C2075MF10	Cable, 2-Core, Male / Female plugs, 10m



C405M3 | 4-CORE MALE PLUG, 3m

ORDER CODE	PRODUCT	DESCRIPTION
9048975	C405M3	Cable, 4-Core, Male plug, 3m



VENTUS | AUTOMATED HARDWARE COMPONENTS

C405F3 | 4-CORE FEMALE PLUG, 3m

ORDER CODE	PRODUCT	DESCRIPTION
9048976	C405F3	Cable, 4-Core, Female plug, 3m



C405FM3 | 4-CORE FEMALE-MALE PLUG, 3m

ORDER CODE	PRODUCT	DESCRIPTION
9048977	C405FM3	Cable, 4-Core, Female / Male plugs, 3m



OCP | OVER CURRENT PROTECTION

Replaceable component protecting from over current surges and spikes from reaching and damaging the motor.

ORDER CODE	PRODUCT
9048971	



S102P SYNC | SYNCHRONIZER CONTROL UNIT (CHAINWINDER)

Use this Synchronizer control unit to operate two single chain electric winders on the same window. Effective for adding a wider pitch between chains providing better control and added stability of larger windows.

ORDER CODE	PRODUCT	DESCRIPTION
9052924	S102P SYNC	Synchronizer control unit



S102HL | POWER STRUTS SYNC CONTROL LEAD

The Power Struts Sync Control Lead is used to simultaneously operate the two electric linear actuators on the window.

ORDER CODE	PRODUCT	DESCRIPTION
9108621	S102HL	Sync control lead for Power Struts





WATCH OUR VIDEO:
VENTUS AUTOMATED HARDWARE

YouTube Alchin Long Group

VENTUS | AUTOMATED LOUVRE GALLERIES

Utilising the Ventus Louvre Galleries' modern louvre blade clip design, channel and hardware, a concealed motor in the channel provides electric operation with a clean outside appearance.

Ventus Automated Louvres are available in two sizes, 152mm blade and 102mm blade.

The louvre clips have been designed and manufactured to hold 6mm toughened or float blade glass with a maximum length of up to 950mm in both 102mm and 152mm blade lengths.

ADVANTAGES

- Add effortless control to the Ventus Louvre Gallery range, specially for those hard to reach locations
- Clean streamlined appearance



COLOURS

(Aluminium extrusions and blade clips only)

- | | | | |
|--|-------------|--|-------------------|
| | SATIN BLACK | | PEARL WHITE |
| | SILVER | | MONUMENT |
| | SURFMIST | | CUSTOM ON REQUEST |

**IP32
RATED**

When installed according to installation instructions



**OPERATES ON ALL
BMS & C-BUS**



C TICK Certified

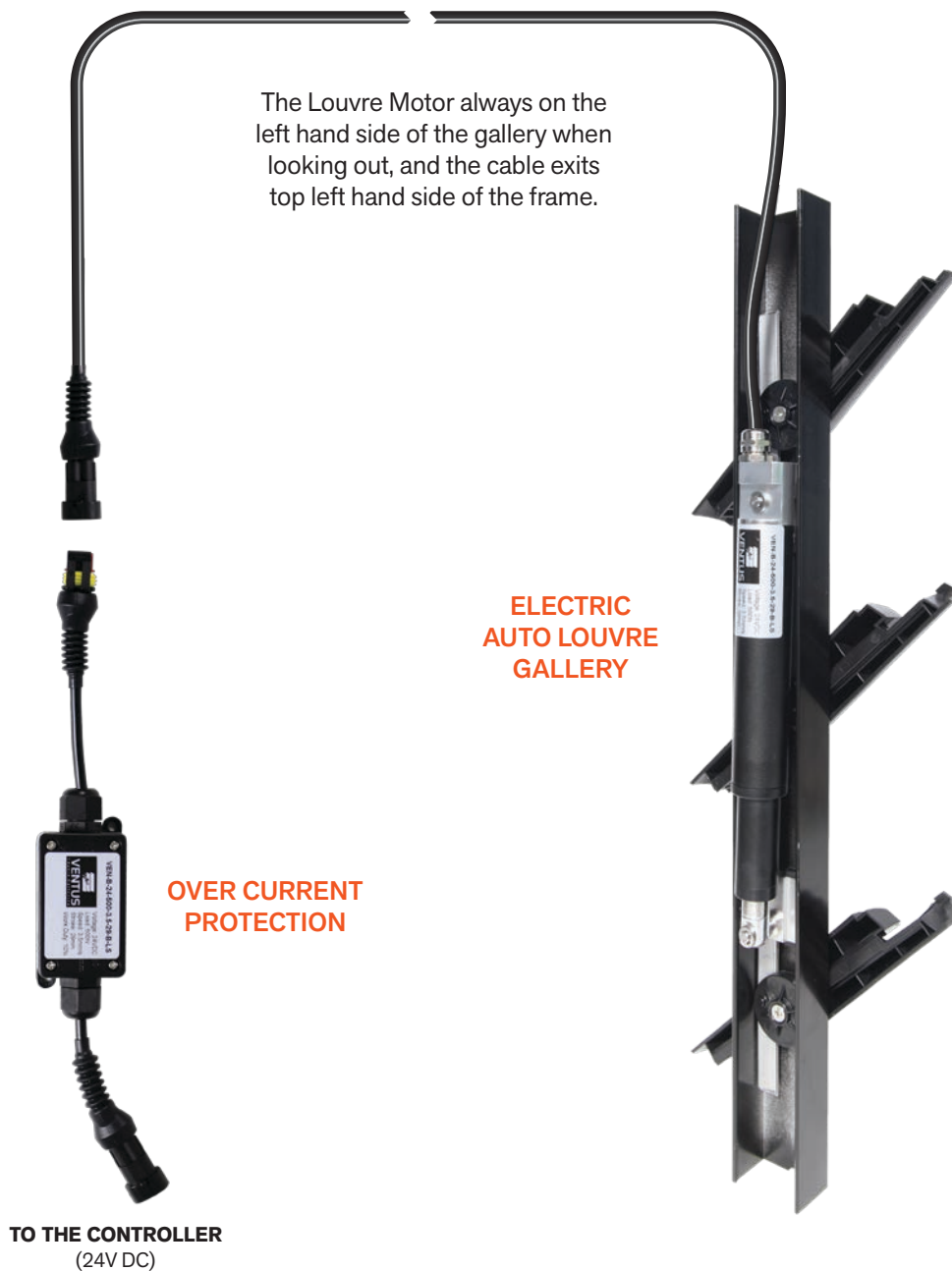
AUTO LOUVRE & OCP

An OCP (Over Current Protection) is a device that plugs in line directly to the Auto Louvre motor offering protection from damage.

In part owing to the louvre motors compact design and needing to fit within the gallery frame, the OCP is a separate device. It is recommended to be installed in the cavity next to the Control Box (controller) making it easier to access, troubleshooting faults, or swapping out a damaged unit.

The OCP operates like a fuse, designed to be a last line of defense to stop over current surges and spikes from reaching the motor. In the event this happens, the motor will temporarily not work until the OCP is replaced. The great advantage in protecting it like this avoids requiring extensive disassembly of the glass and galleries to access the motor for replacement. It's a matter of unplug and reinstall the OCP by the controller.

Every Auto Louvre motor requires a Over Current Protection (OCP) and one is supplied with every motor.



VENTUS | AUTOMATED LOUVRE GALLERIES

102mm | AUTOMATED LOUVRE GALLERY



VOLTAGE	24V DC
CONNECTOR	2-Core, female plug, 3m
BLADES PER MOTOR	5 - 27 blades
CHANNEL	Powder coated aluminium, 5 - 31 blades
GLASS SPECIFICATIONS	Toughened, or Float blade glass only. Height: 102mm Thickness: 6mm Max Length: 950mm
REQUIRES	OCP - Over Current Protection (included standard with Louvres)

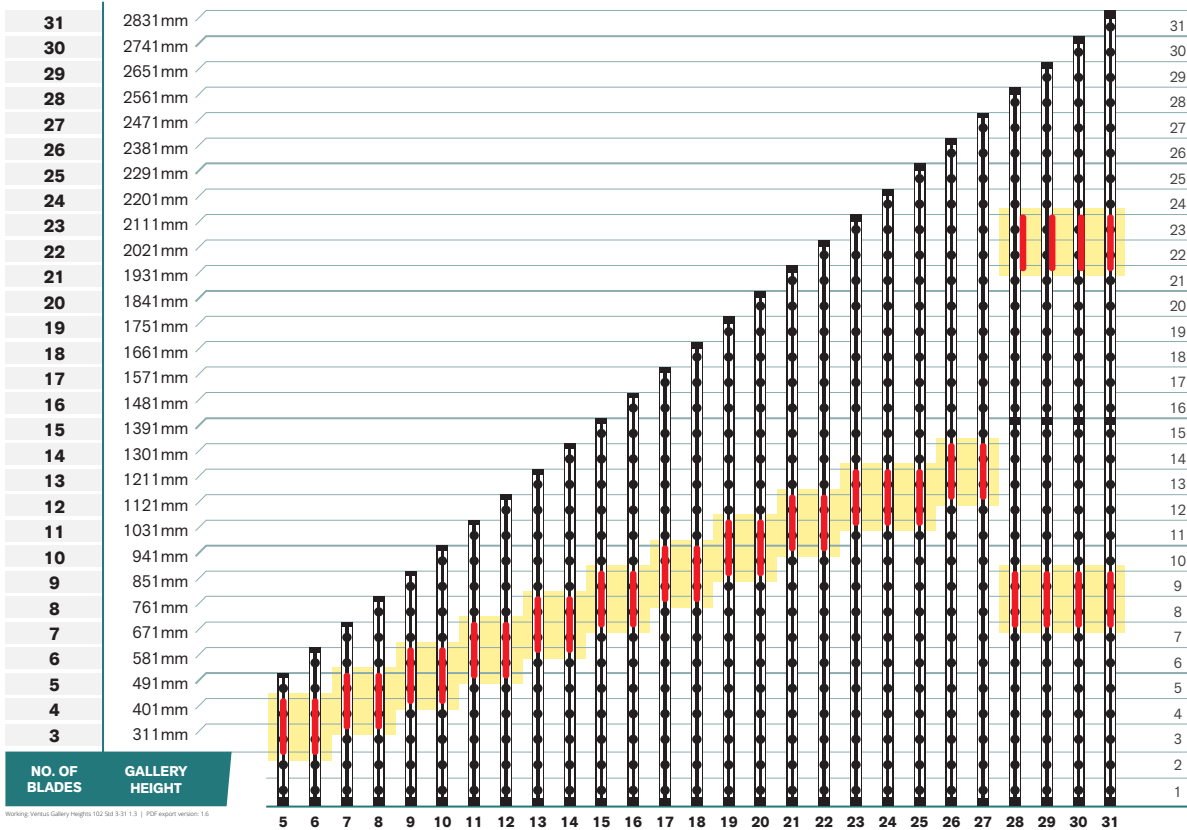
152mm | AUTOMATED LOUVRE GALLERY



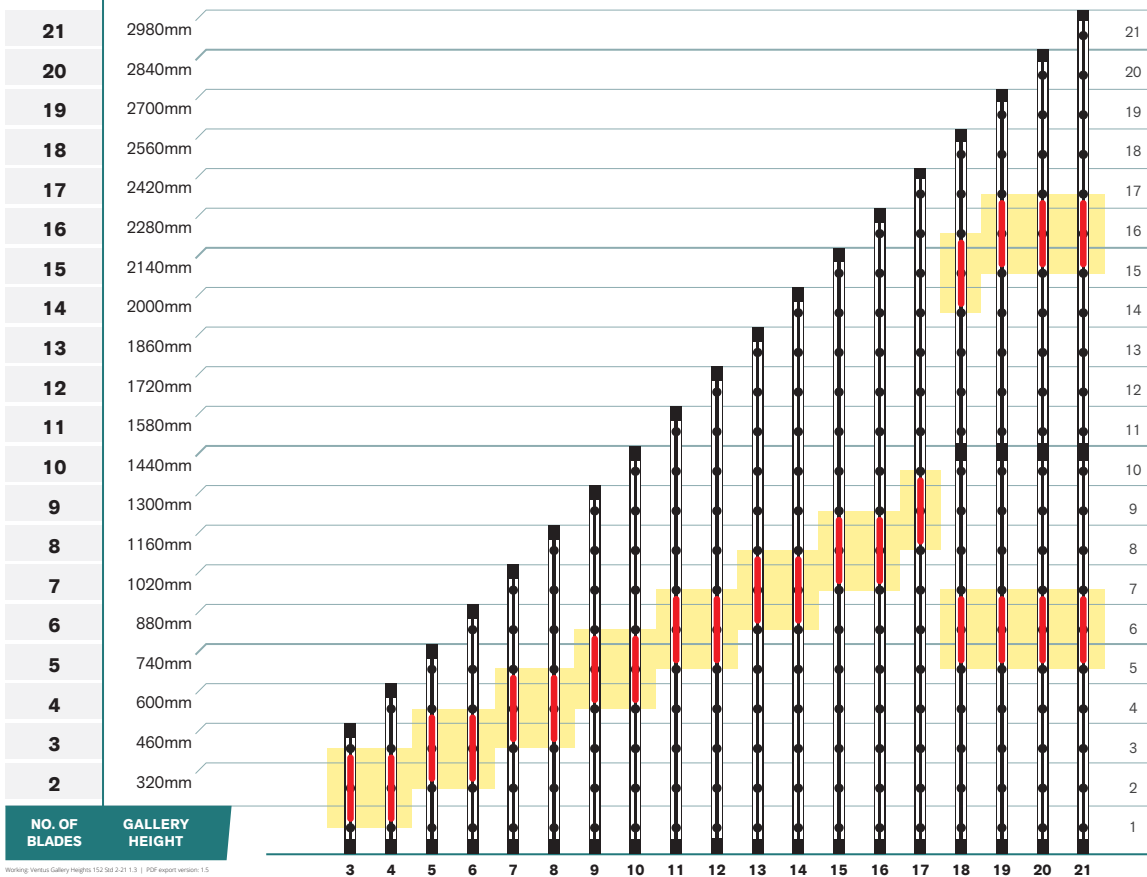
VOLTAGE	24V DC
CONNECTOR	2-Core, female plug, 3m
BLADES PER MOTOR	4 - 17 blades
CHANNEL	Powder coated aluminium, 4 - 21 blades
GLASS SPECIFICATIONS	Toughened, or Float blade glass only. Height: 152mm Thickness: 6mm Max Length: 950mm
REQUIRES	OCP - Over Current Protection (included standard with Louvres)

GALLERY HEIGHTS & MOTOR LOCATION

VENTUS LOUVRE GALLERY 102mm AUTO



VENTUS LOUVRE GALLERY 152mm AUTO



MOTOR LOCATION

Note: Heights greater than the heights displayed are possible as engineered solutions



VENTUS | AUTOMATED CHAINWINDERS

A Ventus Electric Chainwinder is a great option for both existing and new awning windows with the majority of window sizes covered. From small to medium windows using the SCE300s in most residential applications, and LCD300 and TCE300 for the larger commercial installations.

For compliance with Fall Prevention and 'Kids Don't Fly' requirements, the short 100mm chain is available with the SCE100s for safety and peace of mind.



COLOUR OPTIONS

(Body colour only, excludes chain, cable & brackets)



CLEAR
ANODISED



SATIN
BLACK



PEARL
WHITE



CUSTOM
ON REQUEST

TESTING



Performance tested to 30,000 cycles

**IP32
RATED**

When installed according
to installation instructions



**OPERATES ON ALL
BMS & C-BUS**



C TICK Certified

VENTUS | AUTOMATED CHAINWINDERS



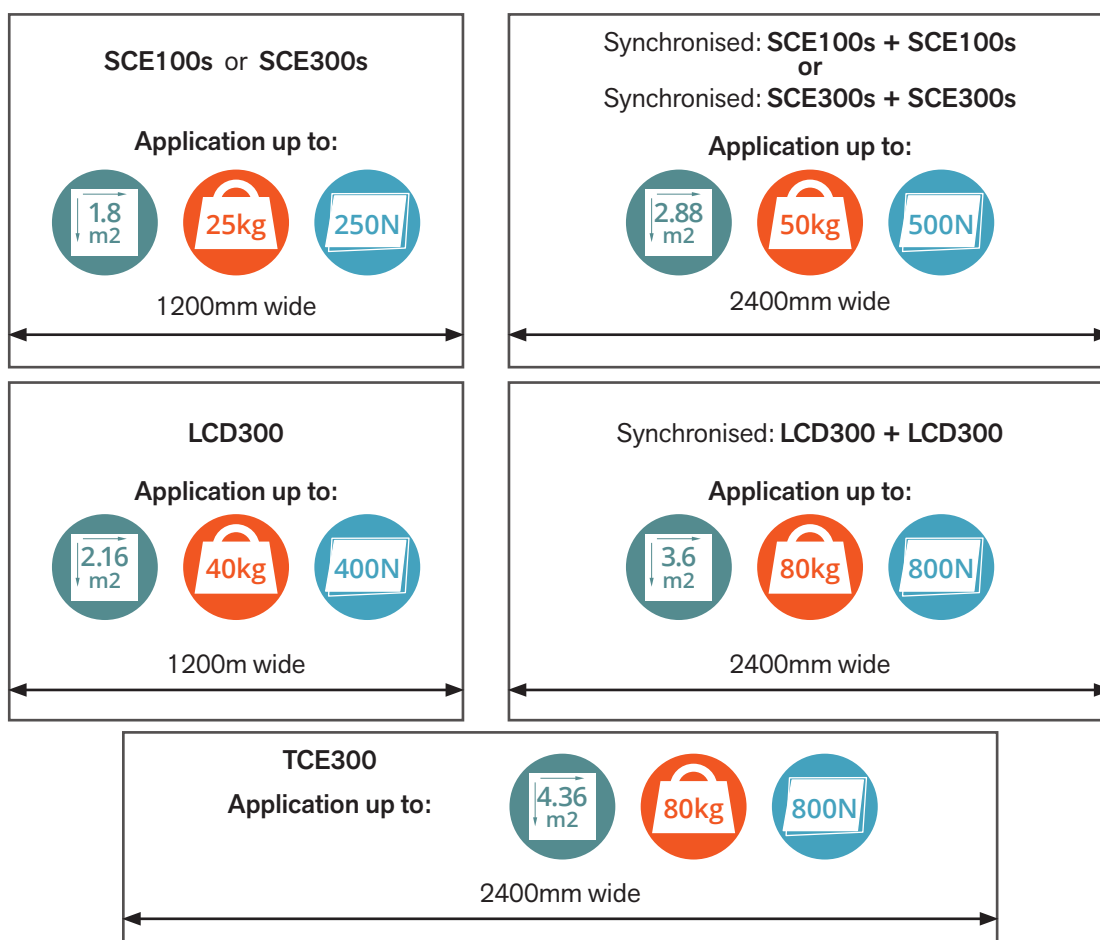
	SCE100S SHORT SINGLE	SCE300S SMALL SINGLE	LCD300 LARGE SINGLE	TCE300 LARGE TWIN
VOLTAGE	24V DC	24V DC	24V DC	24V DC
PUSH/PULL FORCE	250N	250N	400N	800N
CHAIN PROJECTION	100mm	300mm	300mm	300mm
WINDOW HEIGHT (MAX.)	1500mm	1500mm	1800mm	1800mm
WINDOW WIDTH (MAX.)	1200mm	1200mm	1200mm	2400mm
SASH WEIGHT (MAX.)	< 25kg	< 25kg	< 40kg	< 80kg
CHAIN	304 Stainless steel	304 Stainless steel	304 Stainless steel	304 Stainless steel
SYNC	SCE100S+SCE100S	SCE300S+SCE300S	LCD300+LCD300	
PUSH/PULL FORCE	500N	500N	800N	
WINDOW HEIGHT (MAX.)	1200mm	1200mm	1500mm	
WINDOW WIDTH (MAX.)	2400mm	2400mm	2400mm	
SASH WEIGHT (MAX.)	< 50kgs	< 50kgs	< 80kgs	



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.



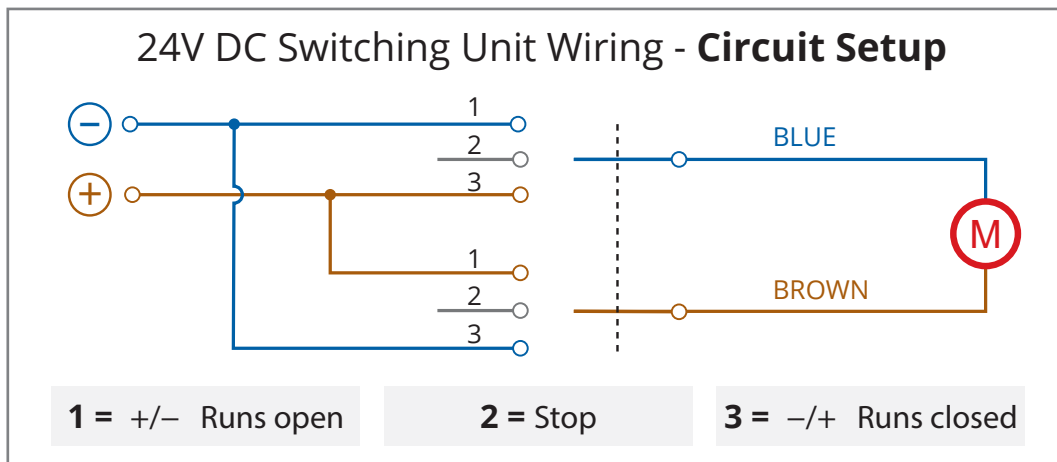
ELECTRIC CHAINWINDER WIRING

CHAINWINDER SWITCH UNIT

Ventus 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

1 to 4 Motors:
2.5 Amp Power Pack



5 to 8 Motors:
10 Amp Power Pack



PEAK AMP GUIDE

- SCE100s Standard Chain Electric** - Peak Amp 1.0 Amp – Normal 0.4-0.6 Amp
- SCE300s Standard Chain Electric** - Peak Amp 1.0 Amp – Normal 0.4-0.6 Amp
- LCD300 Large Chain Electric** - Peak Amp 2.8 Amp – Normal 0.4-1.0 Amp
- TCE300 Twin Chain Electric** - 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.

SYNCHRONISING CHAINWINDERS

The Ventus Plug and Play system allows for a faster and more cost effective method of linking chainwinders together.

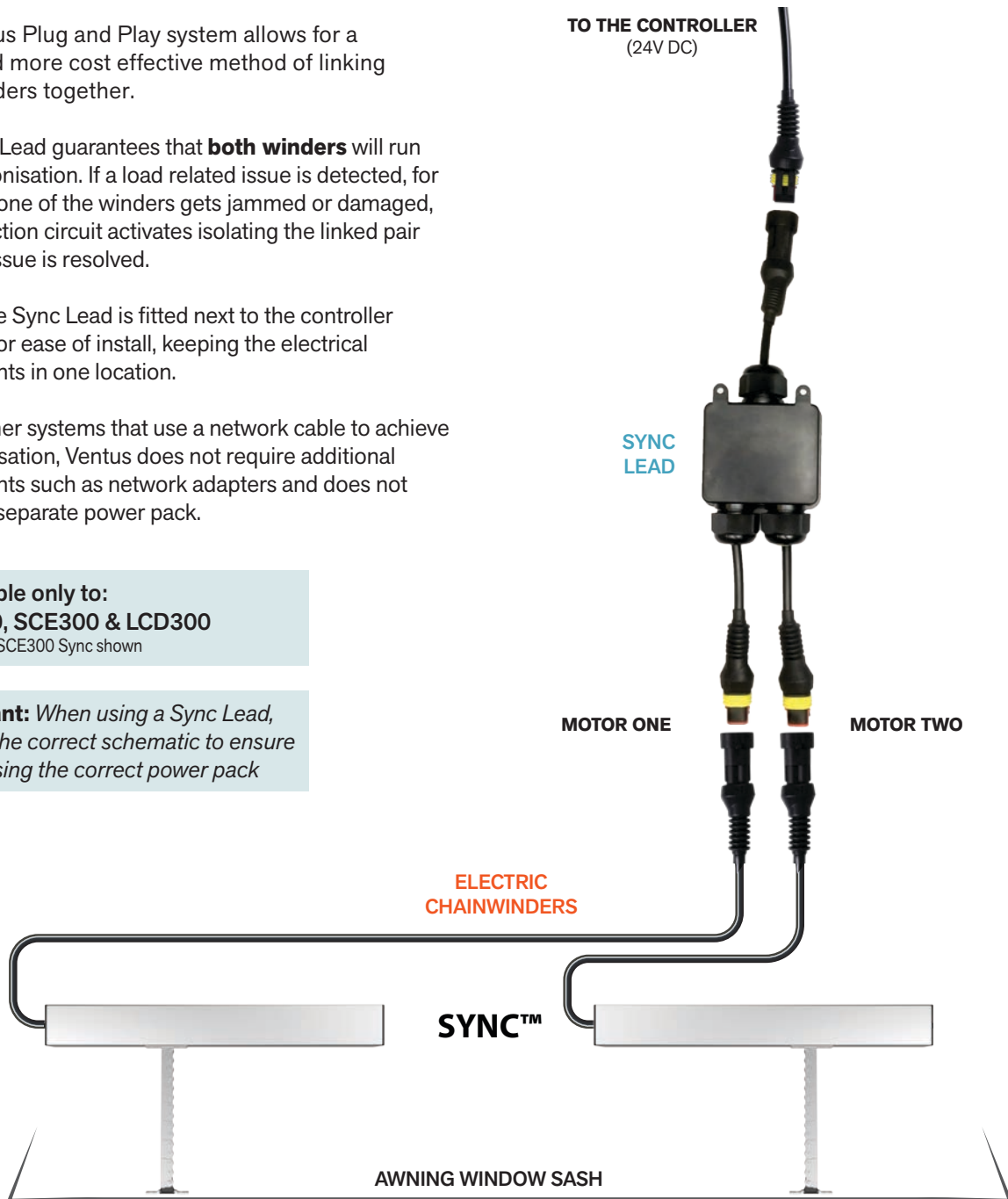
The Sync Lead guarantees that **both winders** will run in synchronisation. If a load related issue is detected, for example, one of the winders gets jammed or damaged, the protection circuit activates isolating the linked pair until the issue is resolved.

Ideally, the Sync Lead is fitted next to the controller allowing for ease of install, keeping the electrical components in one location.

Unlike other systems that use a network cable to achieve synchronisation, Ventus does not require additional components such as network adapters and does not require a separate power pack.

Applicable only to:
SCE100, SCE300 & LCD300
 SCE300 + SCE300 Sync shown

Important: *When using a Sync Lead, refer to the correct schematic to ensure you're using the correct power pack*





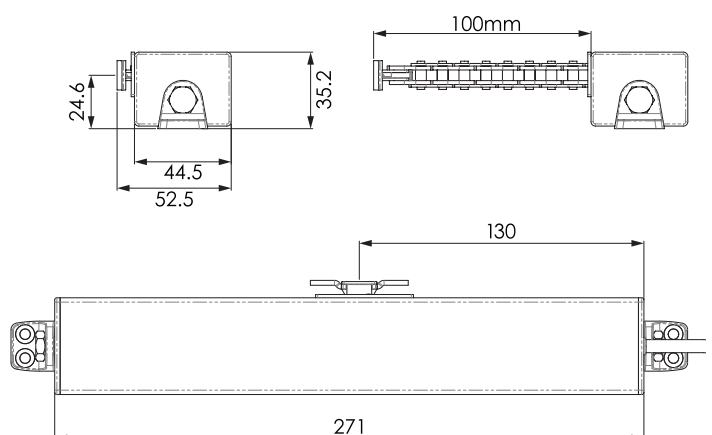
SCE100S | SHORT SINGLE ELECTRIC CHAINWINDER

PRODUCT DETAILS

VOLTAGE	24V DC
PUSH/PULL FORCE	250N
CHAIN PROJECTION	100mm
WINDOW HEIGHT (MAX.)	1500mm
WINDOW WIDTH (MIN - MAX.)	350mm - 1200mm
CHAIN	304 Stainless steel

ORDER CODE	PRODUCT	FINISH
9052637	SCE100s	Silver powder coat
9105464	SCE100s Black	Black powder coat

The Doric Ventus SCE100s features a short 100mm chain projection. It is best suited for small and light weight awning windows up to 1200mm wide by 1500mm high. Capable of producing 250N of force, the electric chainwinder can operate a window up to 25kg in weight.





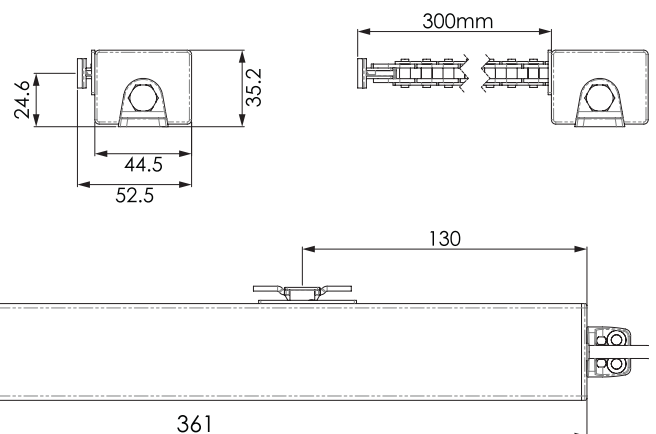
SCE300S | SMALL SINGLE ELECTRIC CHAINWINDER

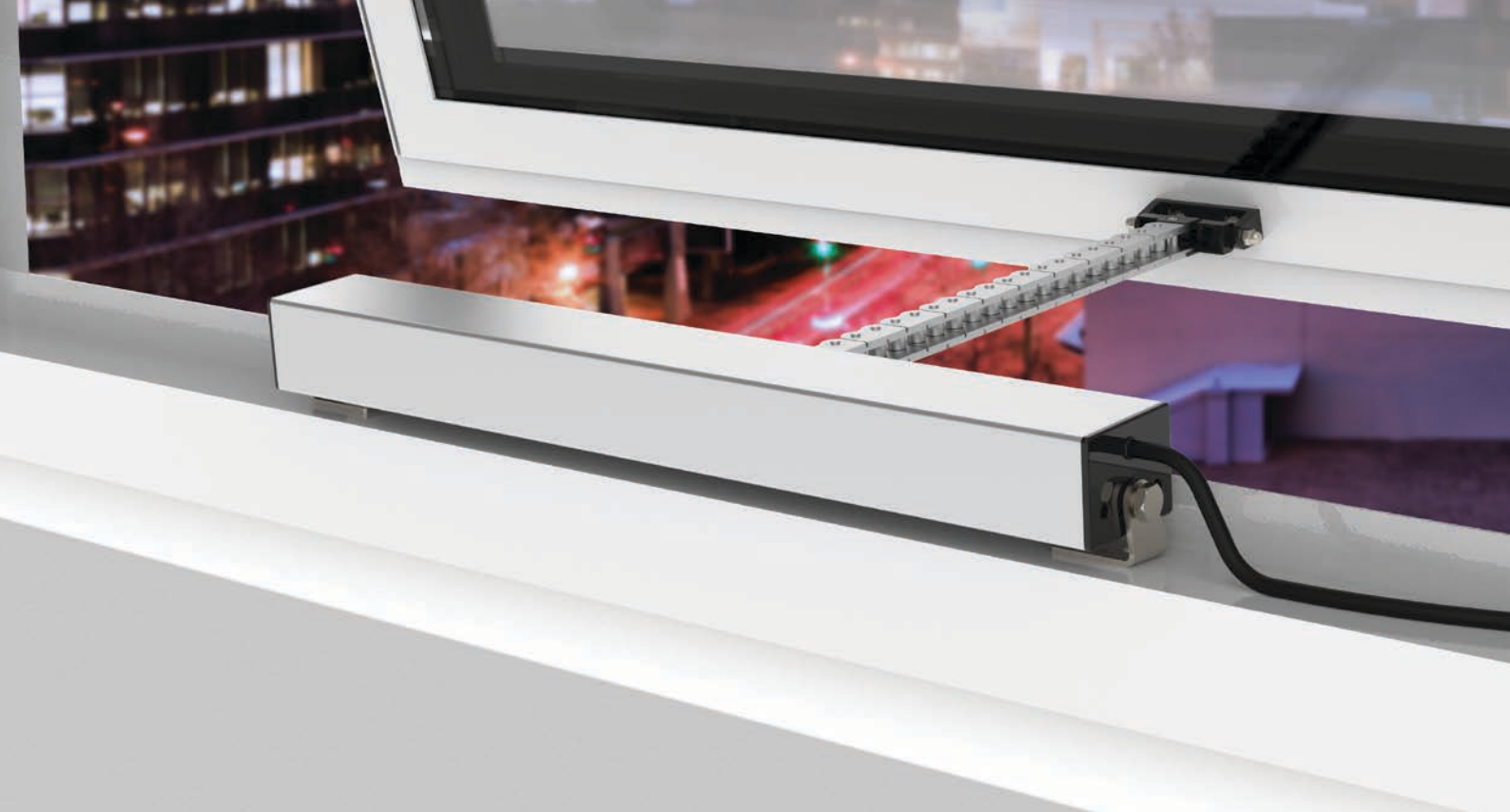
PRODUCT DETAILS

VOLTAGE	24V DC
PUSH/PULL FORCE	250N
CHAIN PROJECTION	300mm
WINDOW HEIGHT (MAX.)	1500mm
WINDOW WIDTH (MIN - MAX.)	350mm - 1200mm
CHAIN	304 Stainless steel

ORDER CODE	PRODUCT	FINISH
9052809	SCE300s	Silver powder coat
9052620	SCE300s Black	Black powder coat

The Doric Ventus SCE300s offers a chain projection up to 300mm. Suited for small, light weight awning windows up to 1200mm wide by 1500mm high, it is capable of producing 250N of force operating a window up to 25kg in weight.





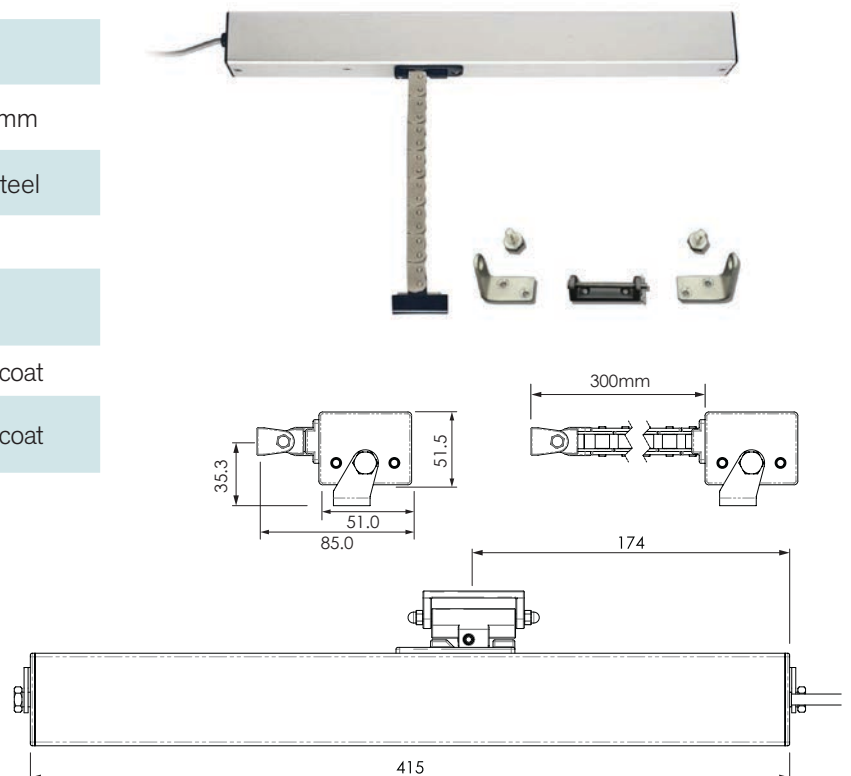
LCD300 | LARGE SINGLE ELECTRIC CHAINWINDER

PRODUCT DETAILS

VOLTAGE	24V DC
PUSH/PULL FORCE	400N
CHAIN PROJECTION	300mm
WINDOW HEIGHT (MAX.)	1800mm
WINDOW WIDTH (MIN - MAX.)	410mm - 1200mm
CHAIN	304 Stainless steel

ORDER CODE	PRODUCT	FINISH
9050601	LCD300	Silver powder coat
9052622	LCD300 Black	Black powder coat

The Doric Ventus LCD300 is a larger electric chainwinder featuring a 300mm chain projection and best suited for larger awning windows up to 1200mm wide by 1800mm high. Producing 400N of force, the electric chainwinder can operate a window up to 40kg in weight.





TCE300 | TWIN ELECTRIC CHAINWINDER

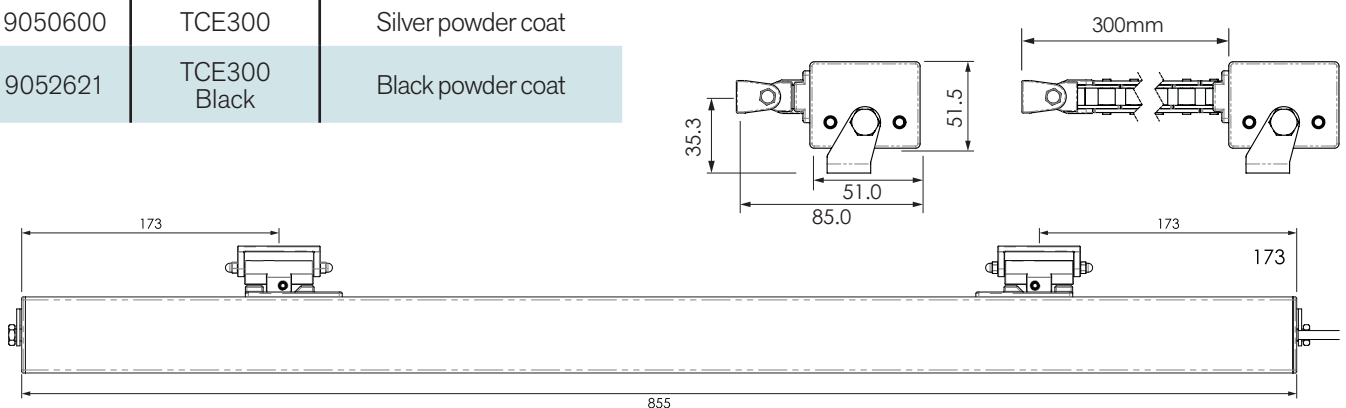
PRODUCT DETAILS

VOLTAGE	24V DC
PUSH/PULL FORCE	800N
CHAIN PROJECTION	300mm
WINDOW HEIGHT (MAX.)	1800mm
WINDOW WIDTH (MIN - MAX.)	850mm - 2400mm
CHAIN	304 Stainless steel

ORDER CODE	PRODUCT	FINISH
9050600	TCE300	Silver powder coat
9052621	TCE300 Black	Black powder coat

The Doric Ventus TCE300 is our twin chain electric winder featuring a dual 300mm chain projection. It offers operation for the largest windows measuring up to 2400mm wide by 1800mm high. The winder producing up to 800N of push/pull force is able to operate a window of up to 80kg in weight.

Not available for Sync™





VENTUS | AUTOMATED POWER STRUTS

Automate servery windows with Doric's self latching, self locking Power Struts available for Residential and Commercial applications.

The Power Strut is a electric power driven actuator capable of opening large awning windows and other window systems. Unlike any other servery style window systems, this unit is designed to open, close and secure itself unassisted. The actuators push the latch to unhook itself, allowing then the window to lift open, up to 90 degrees with some window systems.

The design of the latch plate is integral to the system. By incorporating the linear actuators with the latch mechanism, the user can drive the hook down and then use the connection point on the latch as the drive mount. The unique design of the combination ensures the hook remains unlocked until the final 15 mm of strut travel when the latch internals allow it to drive up and lock.

FEATURES

- Bottom latch mechanism designed to self latch on close and remain secure until the actuator unlocks and opens the window
- Mounts fabricated from 316 Stainless steel offering superior corrosion resistance
- Part of the Ventus Automated Hardware system

ADVANTAGES

- Linear Actuator and Mount Blocks sit hard up against the jamb and high up when open, creating minimal obstruction and a clear opening
- Actuators available in different sizes
- Fast connect Plug & Play connects for fast, easy installation



Powerful electric linear actuators

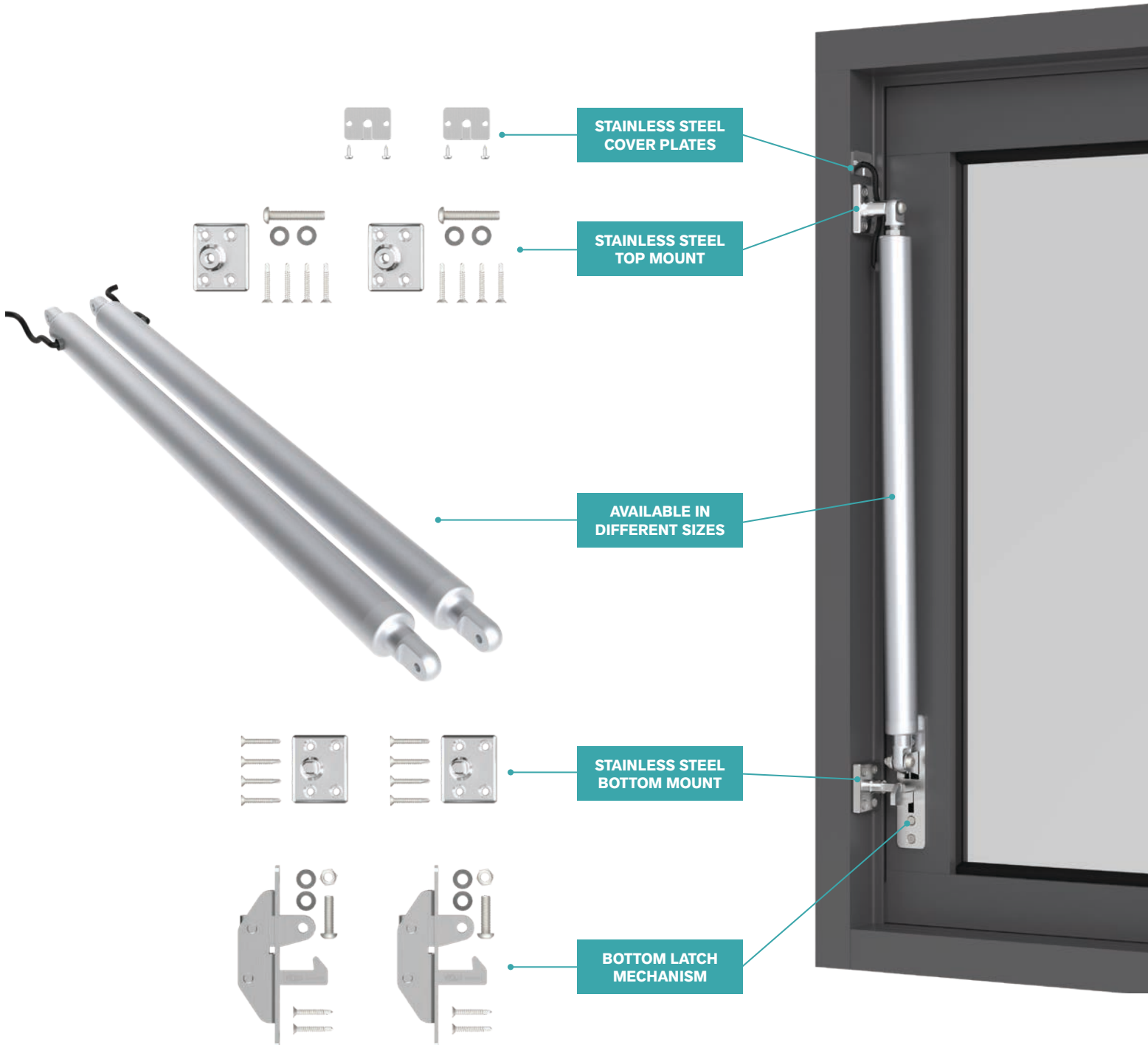


Self securing Bottom Latch Mechanism



Highing mounting and cable management

VENTUS | AUTOMATED POWER STRUTS



POWER STRUT SELECTION TABLE

1000N STRUTS

ORDER CODE	STRUT CODES	CLOSED LENGTH (mm)	OPEN LENGTH (mm)	STRUT THROW (mm)	SASH HEIGHT (mm)	LATCHBOX CUTOUT (mm)	MAX SASH WEIGHT (kg)
9115077	605-855 Strut 250 24V DC 1000N	605	855	250	950-1049	828	53
9115078	700-950 Strut 250 24V DC 1000N	700	950	250	1050-1149	923	49
9115079	750-1060 Strut 310 24V DC 1000N	750	1060	310	1150-1249	1023	60
9115080	850-1160 Strut 310 24V DC 1000N	850	1160	310	1250-1349	1123	55
9115081	850-1260 Strut 410 24V DC 1000N	850	1260	410	1350-1449	1223	77
9115082	950-1360 Strut 410 24V DC 1000N	950	1360	410	1450-1549	1323	72
9115083	1050-1460 Strut 410 24V DC 1000N	1050	1460	410	1550-1649	1423	68
9115084	1150-1560 Strut 410 24V DC 1000N	1150	1560	410	1650-1750	1523	65

600N STRUTS

ORDER CODE	STRUT CODES	CLOSED LENGTH (mm)	OPEN LENGTH (mm)	STRUT THROW (mm)	SASH HEIGHT (mm)	LATCHBOX CUTOUT (mm)	MAX SASH WEIGHT (kg)
9106177	600-850 Actuator 250	600	850	250	950-1049	823	32
9106182	700-950 Actuator 250	700	950	250	1050-1149	923	29
9106183	800-1050 Actuator 250	800	1050	250	1150-1249	1023	27
9106184	900-1150 Actuator 250	900	1150	250	1250-1349	1123	25
9106185	1000-1250 Actuator 250	1000	1250	250	1350-1449	1223	23
9107552	1100-1350 Actuator 250	1100	1350	250	1450-1599	1323	21
9106186	1200-1510 Actuator 310	1200	1510	310	1600-1699	1473	27
9106187	1200-1610 Actuator 410	1200	1610	410	1700-1800	1573	38

HEAVY DUTY STRUTS (CUSTOM)

ORDER CODE	STRUT CODES	CLOSED LENGTH (mm)	OPEN LENGTH (mm)	STRUT THROW (mm)	SASH HEIGHT (mm)	LATCHBOX CUTOUT (mm)	MAX SASH WEIGHT (kg)
(Per Application)	900-1380 Actuator 480	900	1380	480	1450-1549	1323	90
(Per Application)	950-1490 Actuator 540	950	1490	540	1550-1649	1423	96
(Per Application)	1000-1596 Actuator 596	1000	1596	596	1650-1749	1523	100

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.

An MR551 8-Channel Controller can power a maximum of eight motors however, as each Power Struts window setup utilises a set of two electric struts linked together with a synchroniser lead, a maximum of four channels can be used.

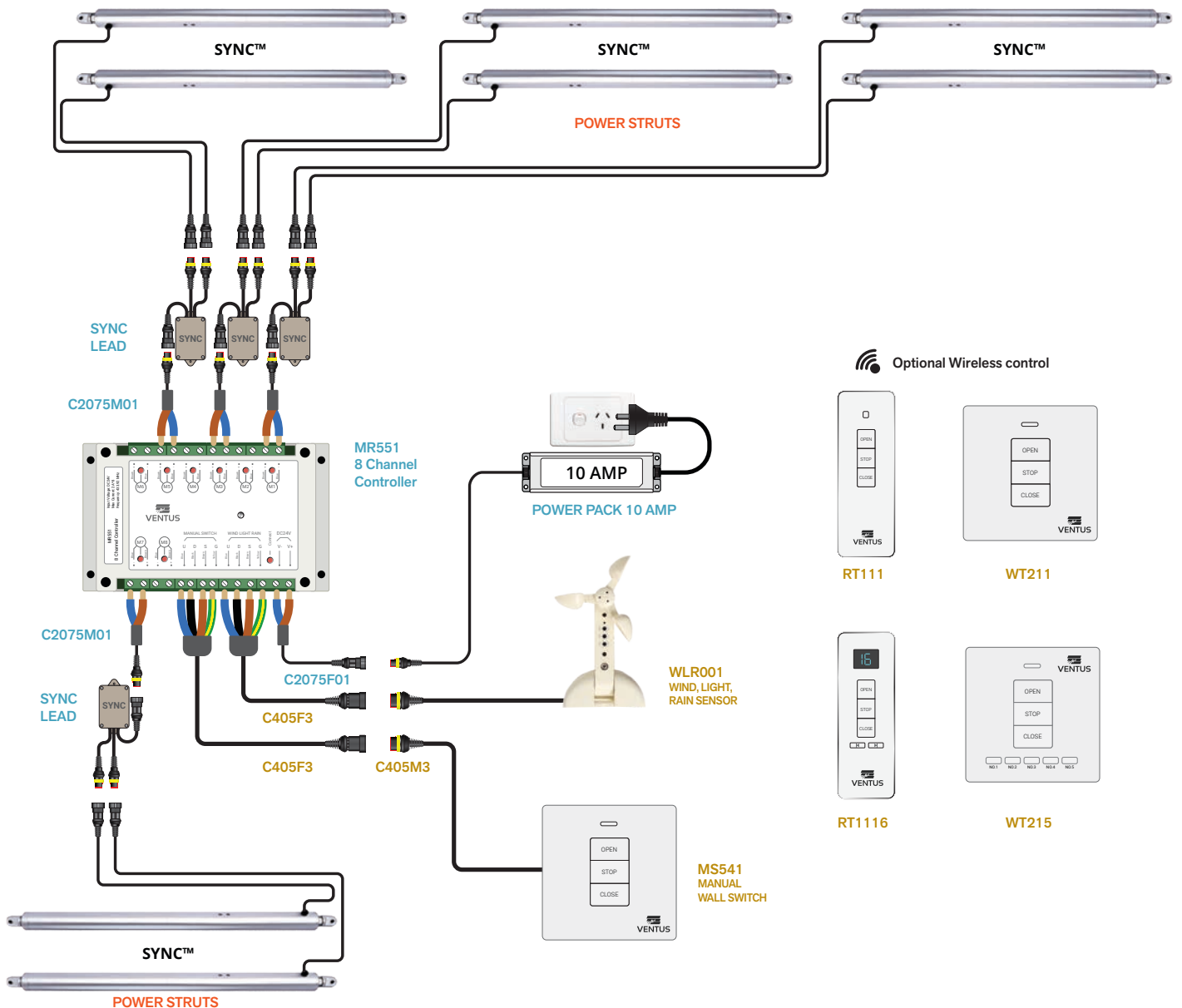
1 to 2 Sets:
2.5 Amp Power Pack
Max. 4 motors



3 to 4 Sets:
10 Amp Power Pack
Max. 8 motors



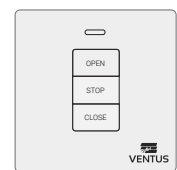
4x2 VENTUS POWER STRUTS



Optional Wireless control



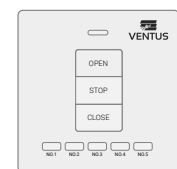
RT1111



WT211



RT1116



WT215

WLR001
WIND, LIGHT,
RAIN SENSOR

MS541
MANUAL
WALL SWITCH

WARRANTY

VENTUS LOUVRE GALLERIES

Ventus louvre windows are warranted against defects arising from faulty workmanship and/or materials for 10 YEARS from the date of purchase. This warranty is limited and subject to the following general terms and conditions:

1. This warranty applies only to the original purchaser and original installation. It is not transferable.
2. The products must have been installed in accordance to the manufacturer's recommendations, specifications and guidelines, and in full compliance to all relevant building standards in your country.
3. The products have been used and maintained in accordance to Ventus' product care and maintenance guidelines.
4. It is expected, that during the life of the product, certain normal and acceptable wear and deterioration will occur, particularly with moving parts and finishes. Provided that this is within industry tolerances and standards and it does not affect the product's performance and general appearance, this normal wear and deterioration does not constitute a defect under this warranty.
5. Some variation in manufacturing tolerances and in the finish of aluminum, plastic and timber components is normal and is not deemed to be a defect under this warranty.

6. This warranty is limited to the repair and/or replacement of the faulty components and/or products at the company's discretion. It does not extend to the removal and re-installation of the products, nor does it cover the repair and refinishing of the adjacent surfaces and materials.
7. Where the product has been repaired, only repairs performed by Ventus personnel or authorized agents are covered by this warranty. Unauthorized repairs and tampering with the product voids all warranties.
8. Ventus reserves the right to change specifications and/or discontinue a particular product line. In this case for warranty purposes, will offer equivalent or superior products as substitutes of the original.
9. Claims under this warranty should be made within 3 months of the defect arising to your nearest Ventus agent or reseller. Copies of this warranty certificate, signed and stamped by the authorized reseller/agent, as well as the receipt should be included with a written claim detailing the claim particulars. Ventus may request photographic evidence to support a claim.

This warranty is in addition to all other rights and guarantees in place under the consumer protection laws in your country. For a copy of our full Warranty Terms and Conditions, please visit www.doric.com.au

For more information on your consumer rights, please contact the consumer protection agency in your country.

VENTUS AUTOMATED HARDWARE

Ventus Plug and Play motorized components are warranted against defects arising from faulty workmanship and/or materials for 3 YEARS from the date of purchase. The Ventus Plug and Play electric components are warranted against defects arising from faulty workmanship and/or materials for 1 YEAR from the date of purchase. This warranty is limited and subject to the following general terms and conditions: This warranty applies only to the original purchaser and original installation. It is not transferable.

1. This warranty applies only to the original purchaser and its original installation. It is not transferable.
2. The products must have been installed in accordance to the manufacturer's recommendations, specifications and guidelines, and in full compliance to all relevant building standards in your country.
3. The products have been used and maintained in accordance to Ventus' product care and maintenance guidelines.
4. It is expected, that during the life of the product, certain normal and acceptable wear and deterioration will occur, particularly with moving parts and finishes. Provided that this is within industry tolerances and standards and it does not affect the product's performance and general appearance, this normal wear and deterioration does not constitute a defect under this warranty.
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6. This warranty is limited to the repair and/or replacement of the faulty components and/or products at the company's discretion. It does not extend to the removal and re-installation of the products, nor does it cover the repair and refinishing of the adjacent surfaces and materials.
7. Where the product has been repaired, only repairs performed by Ventus personnel or authorized agents are covered by this warranty. Unauthorized repairs and tampering with the product voids all warranties.
8. Ventus reserves the right to change specifications and/or discontinue a particular product line. In this case for warranty purposes, will offer equivalent or replacement products as substitutes of the original.
9. Claims under this warranty should be made within 3 months of the defect arising to you're the company the goods were ordered from. Copies of the receipt or proof of purchase should be included with a written claim detailing the claim particulars. Ventus may request photographic evidence to support a claim.

This warranty is in addition to all other rights and guarantees in place under the consumer protection laws in your country. For a copy of our full Warranty Terms and Conditions, please visit www.ventusindustries.biz

For more information on your consumer rights, please contact the consumer protection agency in your country.

MR536	1 year	C2075F3	1 year	Power Strut 1000N Actuators	3 Years
MR551	1 year	C2075FM3	1 year	Power Strut Heavy Duty Actuators	3 Years
C2075F01	1 year	C2075M10	1 year	S102HL SYNC	1 year
C2075M01	1 year	C2075MF10	1 year	MS541	1 year
POWERPACK 2.5AMP	1 year	Auto Louvre	3 Years	C405F3	1 year
POWERPACK 10AMP	1 year	SCE100s	3 Years	C405M3	1 year
S102P SYNC	1 year	SCE300s	3 Years	WLR001	1 year
RT111	1 year	TCE300	3 Years	21UP2403	1 year
WT211	1 year	LCD300	3 Years	OCP (Consumable part only)	N/A
C2075M3	1 year	Power Strut 600N Actuators	3 Years		

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NOTES

INNOVATORS

OF HARDWARE FOR WINDOWS AND DOORS

Doric Ventus Catalogue .v1.3-20.10.2023

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VENTUS HARDWARE