

## **Interlock Elevations**

Interlock is represented by their governing brand in all major regions, on both mature and emerging markets, with leading positions in much of Europe and North America and in Australia.

Interlock's window actuators provide easy use of out-of-reach windows allowing you to control ventilation in your home. With manual and electric operators available we can provide the solutions to your window operating problems.

Being 24 Volts means transformers are required for the Elevation chain drives.

Interlock Elevation 24Volt chain driven actuators can be configured to reflect the unique layout of your building and are the perfect solution for hard to reach windows. Wide windows are also easily catered for with the installation of a pair of synced actuators that work together to ensure smooth movement and a tight window seal when closed.

Interlock's Elevation Window Control System offers the perfect combination of convenience, flexibility and safety with the ability to control up to 30 windows through a simple touch screen. Through the use of zones, the Elevation can be configured to reflect the unique layout of any home or commercial building, making it the ideal system for hard to reach windows.

The Elevation makes opening or closing all windows, or windows within a specified area, effortless. The Elevation allows for a generous window opening, but can be easily restricted to prevent contact with external objects or eliminate the risk of young children falling.

Add a rain sensor to your Elevation system and your windows will automatically close if rain is detected.

Ultimate Control is only one touch away with the option to close all windows at once when leaving the house, or locking up for the night.

With a built in chain release feature, installing the Elevation actuator is easy and can be completed without being connected to power.



**Operable Window Technologies**

PO Box 12 888, Penrose, Auckland 1642

T: +64 9 580 3100 • F: +64 9 580 3106

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## BENEFITS

- Intuitive touch screen keypad controls up to 30 windows with pre-set options 'closed', 'vent', 'and half' and 'full'
- Actuators operate simultaneously (with 24VDC motor) and can be grouped into zones
- Synchronise two actuators to cater for wide windows
- 9kg closing force per actuator ensuring a tight window seal when closed
- Strong, corrosion resistant stainless steel chain (grade 302)
- Chain length is adjustable in 10mm increments to limit window opening
- Release key allows chain to move freely for ease of installation
- Programme in a pin code to restrict access to keypad
- Elevation actuator made in New Zealand
- Touch screen or wall switch control

## OPTIONS

- Actuators are available in a range of colours to complement any window design and/or finish
- Add 1 or 2 keypads per Elevation system
- Rain sensor option (add up to 4). Rain sensors can be allocated to a specific zone and be configured to either vent or close upon rain detection, as well as re-open when dry

## DESIGN PARAMETERS

- Suitable for use on sashes with a maximum width of 1800mm and pushing force of 18kg.
- Suitable for awning or casement windows.
- Elevation Actuators are only to be used on windows with hinges or non-friction stays.
- Suitable fixing surfaces are Timber or Aluminium.
- Voltage of 24Volt DC so a transformer/s are required.
- Stainless steel chain
- Staggered opening; fully open, Half open, Vent, Closed
- Can be operated by a central touch pad controlling zones of the building, or operated by a simple switch.



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## **DESIGN REQUIREMENTS Elevations 24 volt DC Chain Drives**

1. Sashes must be either top hung or on frictionless stays.
2. Elevations 24 volt DC electric single push chain drive to be mounted on the sash at the sill on the jamb liner.
3. 24 volt DC electric chain drives cannot be wired direct from the switch to the chain drive as they require a step – down transformer.
4. There must be a terminating resistor at each end of the network
5. Every device on the system must be connected to the network cable between the two resistors.
6. Each actuator, keypad or rain sensor needs to be connected to a power supply. However, the electrician may opt to use one large power supply to power multiple devices.
7. **No allowance** has been made for electrical wiring or final connection, which must be completed by a registered electrician.
8. Cabling to be concealed as much as possible.

## **REGISTERED SITE ELECTRICIAN TO PROVIDE:**

1. All electric power cables & transformers.
2. All switches (if control touchpad is not implemented)
3. A twisted pair network cable (Cat 5 or Cat 6 cable can be used), preferably a shielded cable to help reduce noise.
4. **24 Volt DC** supply to each device in the network.
5. Electric power **230 volt AC** to the transformer.
6. All final connections to the chain drives.
7. Electrician must ensure the voltage drop does not exceed 1V (must have 23V minimum at all devices)



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