

# MICRO EVO

## CHAIN ACTUATOR

### OPENING STROKE SIZES

100 - 200 - 300 - 400 mm (adjustable)

### PUSH FORCE

300 N

### VOLTAGE

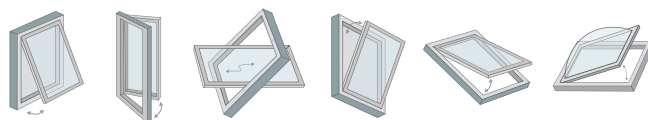
230V AC - 24V DC (+/- 10%)



### DESCRIPTION

MICRO EVO electric actuator with anti corrosion treated double-link chain. Operating voltages: 110-240V AC 50-60Hz Hz or 24V DC. Self-adjusting end limit and soft stop closing to preserve the window frame and the actuator. It can be connected in parallel. Synchronisation function, manageable directly on site, for the application of more actuators on the same window. Colours available: Silver Anodised, Black RAL 9005 or White RAL 9003. Adjustable opening stroke of 100-200-300-400 mm using external dial located on side of the actuator. Supplied complete with inward and outward opening fixing brackets.

### WINDOW TYPES



### APPLICATION



COMFORT  
VENTILATION

### COLOURS

- **Black** RAL 9005
- **Silver** Anodised
- **White** RAL 9003
- ⊗ **Custom** RAL colour

## TECHNICAL DATA

|                      | 230V AC                                                                                                                  | 24V DC (+/- 10%)                                                                                                         |
|----------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Voltage              | 230V AC                                                                                                                  | 24V DC (+/- 10%)                                                                                                         |
| Push Force           | 300 N                                                                                                                    | 300 N                                                                                                                    |
| Pull Force           | 300 N                                                                                                                    | 300 N                                                                                                                    |
| Opening Stroke       | 100-200-300-400 mm (adjustable)                                                                                          | 100-200-300-400 mm (adjustable)                                                                                          |
| Opening Speed        | 12.5 mm/s                                                                                                                | 12.5 mm/s                                                                                                                |
| Current Consumption  | 0.1 A                                                                                                                    | 1.0 A                                                                                                                    |
| Operating Conditions | -10°C - +60°C                                                                                                            | -10°C - +60°C                                                                                                            |
| Switch-on Duration   | S2 4 min                                                                                                                 | S2 4 min                                                                                                                 |
| Colour               | White RAL 9003, Black RAL 9005, Silver Anodised or custom RAL colour                                                     | White RAL 9003, Black RAL 9005, Silver Anodised or custom RAL colour                                                     |
| IP Rating            | IP 32                                                                                                                    | IP 32                                                                                                                    |
| Life Span            | 10,000 opening and closing movements                                                                                     | 10,000 opening and closing movements                                                                                     |
| Delivery Includes    | 1 x Actuator, 1 x Pivot Bracket (MICROEVOSB), 1 x Inward Opening Bracket (MICROEOVBHB) & 1 x Vent Bracket (MICROEVOVENT) | 1 x Actuator, 1 x Pivot Bracket (MICROEVOSB), 1 x Inward Opening Bracket (MICROEOVBHB) & 1 x Vent Bracket (MICROEVOVENT) |
| Flex Length          | 1 m                                                                                                                      | 1 m                                                                                                                      |
| Cable Dimensions     | 3-Core (plus 2 communication wires)                                                                                      | 2-Core (plus 2 communication wires)                                                                                      |
| Min. window width    | > 430 mm                                                                                                                 | > 430 mm                                                                                                                 |
| Max. window width    | < 1300 mm (use multiple actuators if wider)                                                                              | < 1300 mm (use multiple actuators if wider)                                                                              |
| Synchronisation      | Yes                                                                                                                      | Yes                                                                                                                      |

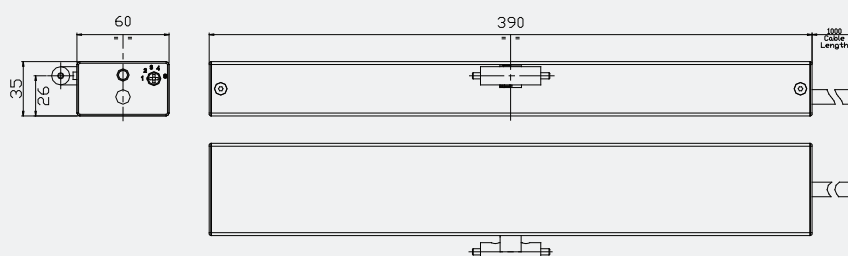
## ACCESSORIES

|              |                                |
|--------------|--------------------------------|
| MICROEOVBHBB | - Inward Opening Bracket Black |
| MICROEOVBHBW | - Inward Opening Bracket White |
| MICROEOLPBB  | - Large Pivot Bracket Black    |
| MICROEOLPBW  | - Large Pivot Bracket White    |
| MICROEVOSBB  | - Standard Pivot Bracket Black |
| MICROEVOSBW  | - Standard Pivot Bracket White |
| MICROEVOSBBB | - Small Pivot Bracket Black    |
| MICROEVOSPBW | - Small Pivot Bracket White    |

## PART CODES

|               |                                          |
|---------------|------------------------------------------|
| MICROEVO230VB | - MICRO EVO Actuator 230 V 400 mm Black  |
| MICROEVO230VS | - MICRO EVO Actuator 230 V 400 mm Silver |
| MICROEVO230VW | - MICRO EVO Actuator 230 V 400 mm White  |
| MICROEVO24VB  | - MICRO EVO Actuator 24 V 400 mm Black   |
| MICROEVO24VS  | - MICRO EVO Actuator 24 V 400 mm Silver  |
| MICROEVO24VW  | - MICRO EVO Actuator 24 V 400 mm White   |

## DIMENSIONS



## CONTROLS

### 230V AC



**S50-1**  
Rocker Switch



**RCU1-KIT**  
Control Unit (Radio)



**EVC**  
Control Unit & Weather Station



**RRTKEY**  
Key Switch

### 24V DC (+/- 10%)



**PSU - 2/4/8**  
24V DC Transformer



**PSU - 2/4/8RC**  
24V DC Transformer (Radio)



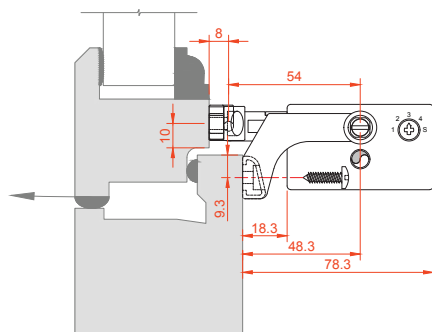
**WUC 102**  
Control Unit



**WCC 310**  
Control Unit

## INSTALLATION EXAMPLES

Top Hung (Aluminium)



\*Supplied complete with actuator.

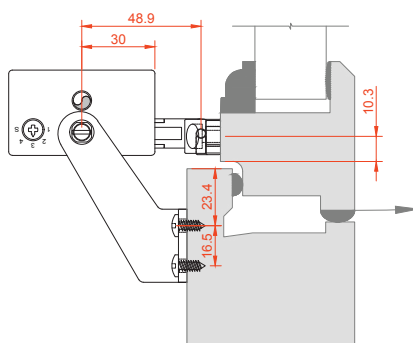
MICROEVOVENT\*



MICROEVOSB\*



Top Hung (uPVC)



\*Supplied complete with actuator.

MICROEVOVENT\*

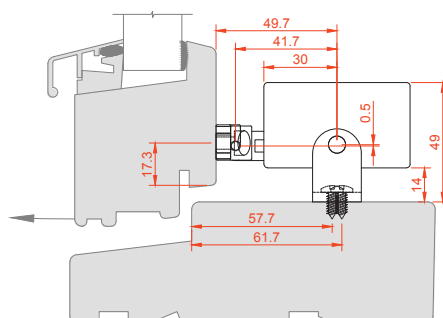


MICROEVOLPB



\*Supplied complete with actuator.

Top Hung (Timber)



\*Supplied complete with actuator.

MICROEVOVENT\*

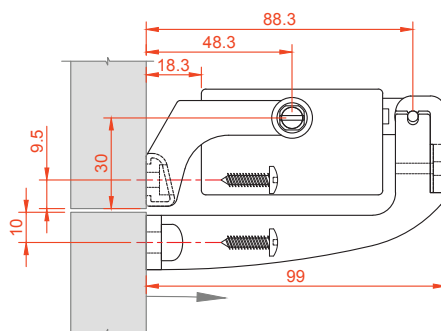


MICROEVOSPB



## INSTALLATION EXAMPLES

Inward Opening



\*Supplied complete with actuator.

MICROEVOSB\*



MICROEVOBHB\*

