

MICRO EVO2

CHAIN ACTUATOR

OPENING STROKE SIZES

150 - 300 - 450 - 600 mm (adjustable)

PUSH FORCE

400 N - 150 mm
400 N - 300 mm
350 N - 450 mm
300 N - 600 mm

VOLTAGE

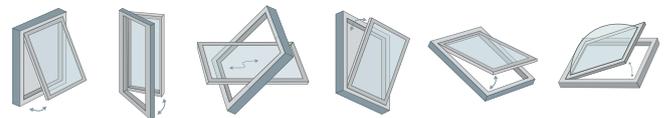
230V AC - 24V DC (+/- 10%)



DESCRIPTION

MICRO EVO2 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 150-300-450-600 mm using external dial located on side of the actuator.

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 | 400N (150-300mm) / 350N (450mm) / 300N (600mm) | 400N (150-300mm) / 350N (450mm) / 300N (600mm) |
| Opening Stroke | 150-300-450-600 mm (adjustable) | 150-300-450-600 mm (adjustable) |
| Opening Speed | 12.5 mm/s | 12.5 mm/s |
| Power | 30 W | 28 W |
| Inrush Current | 43.75A / 420µs | 12.93A / 430µs |
| Starting Current | 5.1A / 12.5ms | 5.12A / 27.2ms |
| 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 (MICROEVO2SB) | 1 x Actuator, 1 x Pivot Bracket (MICROEVO2SB) |
| Flex Length | 1 m | 1 m |
| Cable Dimensions | 3-Core (plus 2 communication wires) | 2-Core (plus 2 communication wires) |
| Min. window width | > 500 mm | > 500 mm |
| Max. window width | < 1300 mm (use multiple actuators if wider) | < 1300 mm (use multiple actuators if wider) |
| Synchronisation | Yes | Yes |

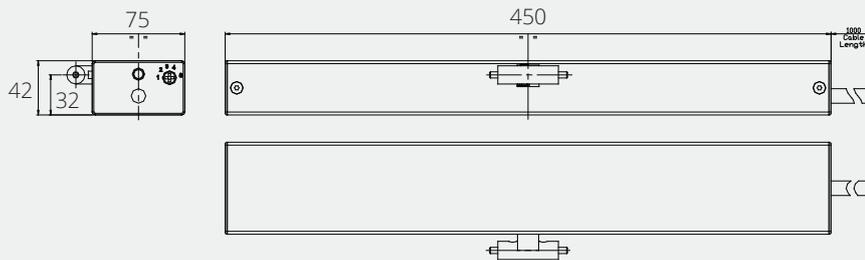
ACCESSORIES

| | |
|---------------|--------------------------------|
| MICROEVO2BHBB | - Inward Opening Bracket Black |
| MICROEVO2BHBW | - Inward Opening Bracket White |
| MICROEVOLPBB | - Large Pivot Bracket Black |
| MICROEVOLPBW | - Large Pivot Bracket White |
| MICROEVO2SBB | - Standard Pivot Bracket Black |
| MICROEVO2SBW | - Standard Pivot Bracket White |
| MICROEVO2SPBB | - Small Pivot Bracket Black |
| MICROEVO2SPBW | - Small Pivot Bracket White |

PART CODES

| | |
|-----------------|---|
| MICROEVO2-230VB | - MICRO EVO2 Actuator 230V 600mm Black |
| MICROEVO2-230VS | - MICRO EVO2 Actuator 230V 600mm Silver |
| MICROEVO2-230VW | - MICRO EVO2 Actuator 230V 600mm White |
| MICROEVO2-24VB | - MICRO EVO2 Actuator 24V 600mm Black |
| MICROEVO2-24VS | - MICRO EVO2 Actuator 24V 600mm Silver |
| MICROEVO2-24VW | - MICRO EVO2 Actuator 24V 600mm 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

CCU3

CONTROL UNIT (RADIO)

VOLTAGE

Input = 230V AC, Output = 230V AC

MOTOR LINES

1

MOTOR LOAD

6.3 A



DESCRIPTION

Control unit for one actuator or one group of actuators. Complete with radio receiver for remote operation. Inputs for Rain Sensor, Rocker Switch, Key Switch or Remote Transmitter. Maximum output of 6.3 amp to operate 230V AC actuators. Supplied complete with surface mount enclosure.

INPUTS FOR

Rain Sensor
Key Switch
Switch
Remote Transmitter

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TECHNICAL DATA

| | |
|----------------------------|---|
| Primary Voltage (Input) | 230V AC |
| Secondary Voltage (Output) | 230V AC |
| Motor Load | 6.3 A |
| Motor Lines | 1 |
| Inputs | Rain Sensor, Remote Transmitter, Switch, Key Switch and Timer |
| Operating Condition | -20°C - +70°C |
| Battery Backup | No |
| Size | 162 x 139 x 45 mm |
| Protection Type | IP 54 |
| Delivery | 1 x Control Unit |

ACCESSORIES

| | |
|-----------|---------------------------------|
| RCU3-RC1 | - Remote Transmitter 1-Channel |
| RCU3-RC16 | - Remote Transmitter 16-Channel |
| RCU3-RC5 | - Remote Transmitter 5-Channel |
| RRTKEY | - Key Switch |
| RS1 | - Rain Sensor |
| S50-1 | - Rocker Switch |

PART CODES

| | |
|------|----------------------------------|
| CCU3 | - CCU3 Control Unit 230 V 2.25 A |
|------|----------------------------------|

COMPATIBLE WITH



MICRO EVO
Chain Actuator



L25
Chain Actuator



D4 FCE
Spindle Actuator



D8 FCE
Spindle Actuator

(Multiple 230V AC actuators, total load must not exceed 6.3 A max.)

RS1

RAIN SENSOR



DESCRIPTION

12V sensor for the automatic closure of windows and rooflights in the event of rain. Compatible with CCU3 control unit. When rain is detected the sensor will send a close signal to the actuator (via control unit). Supplied complete with mounting bracket.

TECHNICAL DATA

| | |
|---------------------|--|
| Primary Voltage | 12V DC |
| Operating Condition | -20°C - +70°C |
| Size | 140 x 150 x 60 mm |
| Protection Type | IP 44 |
| Delivery | 1 x Rain Sensor & 1 x Mounting Bracket |
| Cable Size | 3-Core |

PART CODES

RS1 - RS1 Rain Sensor

COMPATIBLE WITH



CCU3 - Control Unit

APPLICATION



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RCU3-RC

REMOTE TRANSMITTER



DESCRIPTION

Handheld remote transmitter (radio) used as part of an electric window control system. Compatible with CCU3 Control Unit. Available in 1-channel, 5-channel or 16-channel versions. Supplied complete with 1 x 3V battery and wall bracket.

TECHNICAL DATA

| | |
|---------------------|--|
| Primary Voltage | 3V |
| Operating Condition | -10°C - +70°C |
| Size | 120 x 42 x 12 mm |
| Protection Type | IP 20 |
| Channels | 1 (RCU3-RC1), 5 (RCU3-RC5) or 16 (RCU3-RC16) |
| Delivery | 1 x Remote Transmitter, 1 x Battery & 1 x Wall Bracket |
| Range | 30 m |
| Frequency | 433.92 Mhz |
| Cable Size | Wireless |

RCU3-RC

REMOTE
TRANSMITTER

PART CODES

RCU3-RC1 - RCU3-RC Remote Transmitter 1-Channel White

RCU3-RC5 - RCU3-RC Remote Transmitter 5-Channel White

RCU3-RC16 - RCU3-RC Remote Transmitter 16-Channel White

COMPATIBLE WITH



CCU3 - CONTROL UNIT

APPLICATION



COMFORT
VENTILATION