

Twin SECO Ni 24 40

Stroke 0-600, 601-900mm



Chain Actuator / 24V dc / 2 x 400N

The Twin SECO Ni 24 40 is a certified and compliant Chain Actuator designed to provide precise and reliable operation for Smoke and Environmental Ventilation applications.

SE Controls manufacture this high-quality 'Made in Britain' actuator with the following features:

- Tested to EN12101-2: 2003. (check the combination of actuator and profile is certified)
- 'Frequency of operation' data logging records every actuator movement
- Compact design with variable options for stroke length
- Volt Free Contact version available for positional feedback
- Standard finish is Grey RAL 9006, can be customised to suit requirements
- Standard flex length is 2 m but this can be modified to suit installation requirements
- Extensive range of brackets to suit a variety of window systems
- Quiet operation with configurable speed control
- 900 mm version is not suitable for Top Hung applications

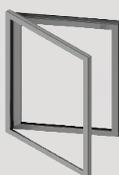
Orientation



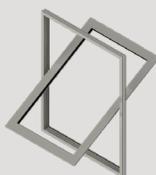
Bottom Hung



Top Hung



Side Hung



Centre Pivot

NB: 24V actuators require control from a compatible low voltage unit such as an OS2 SHEVTEC controller or NVLogiQ® PSU and permanent power should not be applied.

Accreditations

Tested to EN12101-2: 2003. (check the combination of actuator and profile is certified)



Applications



Environmental Ventilation



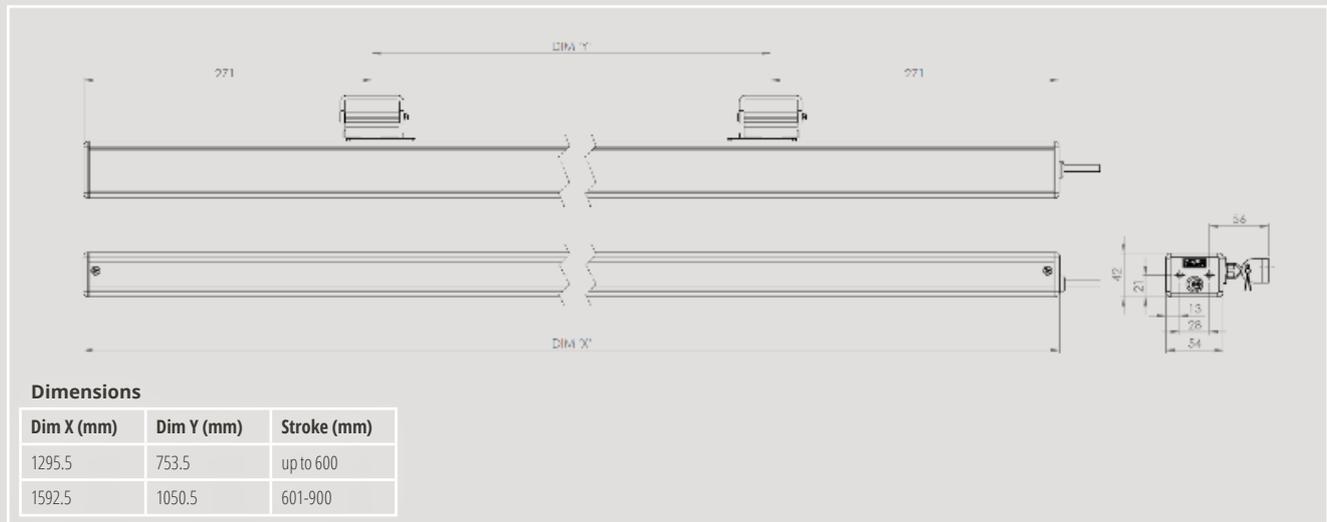
Smoke Ventilation

Associated Controls

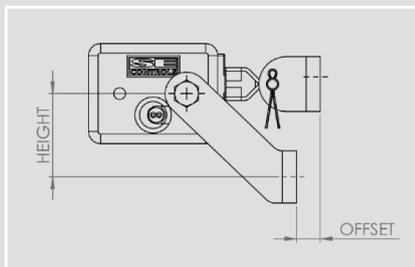
| Stroke | 600mm | 900mm |
|--------------------|----------------|----------------|
| Controller | No. Actuators* | No. Actuators* |
| 3 AMP Transformer | 1 | 1 |
| NVLogiQ PSU | 2 | 2 |
| SHEVTEC Controller | 4 | 3 |
| 30 AMP PSU | 15 | 12 |
| OS2 AC Controller | N/A | N/A |

*Recommended maximum no. of actuators

Technical Drawing



Standard Bracket Detail



Bracket Product Codes

| Offset (mm) | Height (mm) | | |
|-------------|-------------|-------------|-------------|
| | 35 | 40 | 50 |
| 0 | AKS16000001 | AKS16000002 | AKS16000003 |
| 5 | AKS16050001 | AKS16050002 | AKS16050003 |
| 8 | AKS16080001 | AKS16080002 | AKS16080003 |
| 10 | AKS16100001 | AKS16100002 | AKS16100003 |
| 15 | AKS16150001 | AKS16150002 | AKS16150003 |
| 20 | N/A | N/A | AKS16200003 |



Please ensure the controls have a delay between switching if you are not using SE Controls products.

Technical Data

| | |
|-------------------------------------|--|
| Actuator | Twin SECO Ni 24 40 |
| Actuator Type | 24V dc Chain Opener |
| Voltage (all +/-5%) | 24V dc |
| Amp Draw Current (with load) | 0-600mm= 2.0A 601-900mm= 2.4A |
| Stroke | 0-600mm (configurable) 601-900mm (configurable)* |
| Operating Speed | 15mm/sec min. 5mm/sec (configurable) |
| Ambient Operating Temp | -5°C to +60°C |
| Thrust Force | 2 x 400N |
| Close Force | 2 x 400N |
| Soft Close | Yes |
| Switching | Electronic |
| Standard Finish | Powder coated Grey (RAL 9006) |
| Seal Relief | Programmable up to 20mm |
| Clamping Force | 2 x 4000N |
| Colour Option | Other RAL colours available on request |
| Flex Length | 2m |
| Flex Type | 2 core / 0.75mm silicone 5 core (volt free contact) as option |
| Flex Colour | Grey |
| Product Warranty | 15,000 cycles |
| Duty Cycle | 22% (approx. 2 mins on, 7 mins off) |
| IP Rating | IP20 |
| Bracket | Sill fixing/ open inward/ face fix bracket |
| Synchronisation | Optional |
| Application | Smoke and Environmental Ventilation |

*900mm version is not suitable for Top Hung applications.

Product Codes

| Silver Grey (RAL 9006) | Operating Voltage | Force | Stroke |
|------------------------|-------------------|----------|--------|
| AAST140600S | 24V | 2 x 400N | 600mm |
| AAST140900S | 24V | 2 x 400N | 900mm |