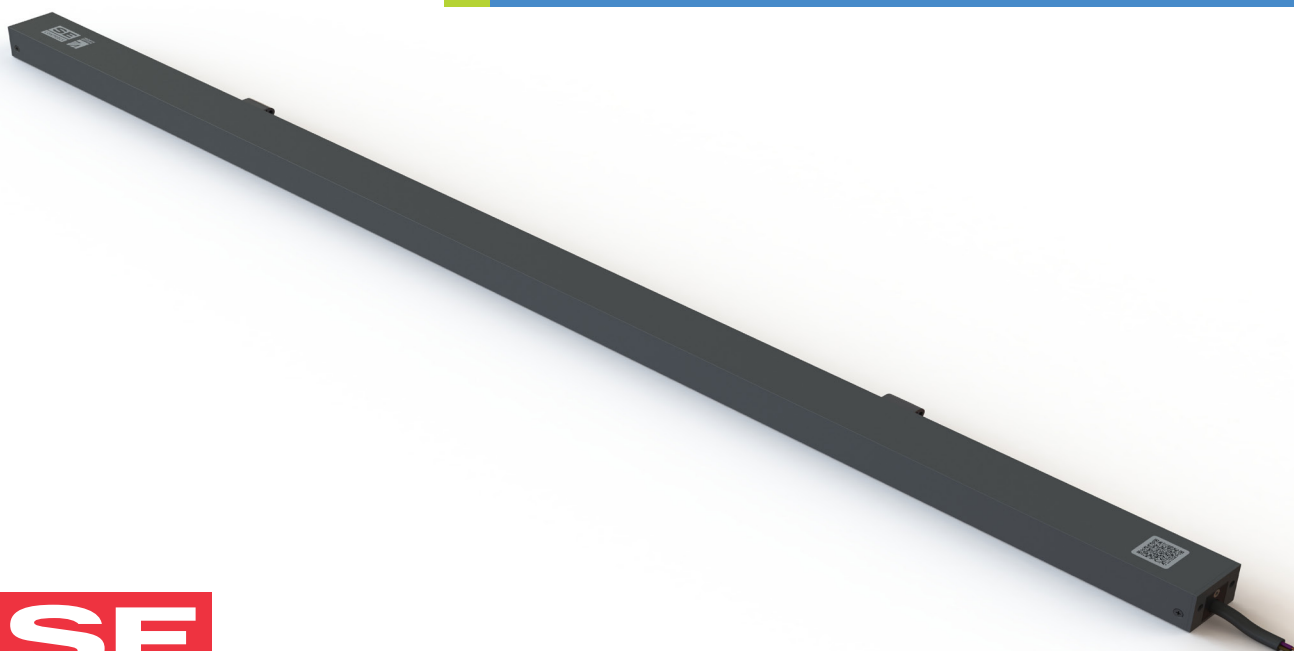


AT12 - Twin

Chain Actuator / 24 V / 1 A dc / 500 N



AT12 Twin Chain Actuator / 24 V / 1 A dc / 500 N

The AT12 Twin Chain Actuator has been designed to provide precise and reliable operation for environmental window automation ventilation applications. Designed with decades of experience within the façade industry the AT12 Twin can seamlessly integrate into a BMS or be operated via independent control panels, switches and sensors.

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

- Seamless two way communication with Building Management Systems via Modbus protocol
- Simple 2 wire open/close 24 V operation for non-BMS applications
- Slimline design with left hand/right hand connector (either end) for simple site cabling and connection
- Precise opening control with true status and position feedback (via Modbus)
- Programmable functionality: opening and closing speed, seal relief, stroke
- Inbuilt cycle counting to provide operational frequency to protect warranty
- Product Warranty 15,000 operational cycles or 12 months¹
- 425 mm maximum opening stroke for greater free area performance
- 2x 2,000 N closed clamping force points of contact for increased security
- Operation via analogue 0-10 V input and permanent 24 V dc (right hand side only)

¹Commercial terms for each project will supersede this warranty information.

Meets the required maximum indoor ambient noise level under BS EN ISO 16032 : 2004 for BB93 : 2015



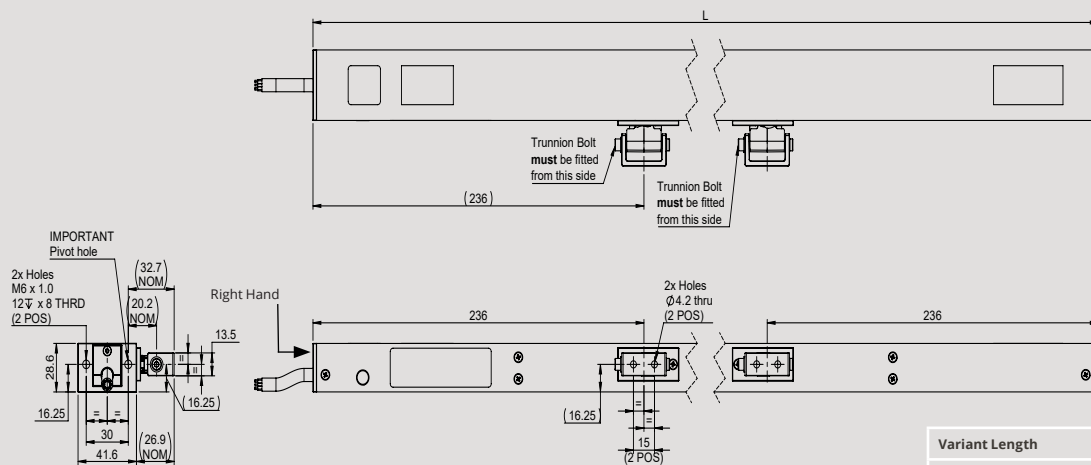
Applications



Environmental Ventilation

Not suitable for Smoke Ventilation

Technical Drawing



All dimensions in millimetres.
The AutoCAD drawing for this product can be found at www.secontrols.com

Pivot Brackets

For the AT12 Twin Chain Actuator, there are several bracket options to choose from, which include **face fix** and **sill fix**.

If you require brackets for specific application needs, please get in touch with the SE Controls team at: info@secontrols.com

Controllers

Controller	No. Actuators ¹
3 AMP Transformer	1
NVLogiQ PSU	4
SHEVTEC Controller	8
30 AMP PSU	30

¹Recommended maximum number of Actuators

NB: 24V actuators require control from a compatible low voltage unit such as an OS2 SHEVTEC controller or NVLogiQ® PSU.

Product Codes

AT12 Twin Chain Actuator 425mm ¹	A12T1A9XXXX
AT12 Cable Sub Assembly Grey 2m	FXS01200002
AT12 Cable Sub Assembly Grey 3m	FXS01220001
AT12 Cable Sub Assembly Grey 5m	FXS01220002
AT12 Cable Sub Assembly Grey 10m	FXS01220004

¹The cable sub assembly must be ordered separately.

Orientation

425 mm Stroke



Technical Data

Actuator Designation	AT12 Twin
Actuator Type	Chain Actuator
Voltage (all ± 5%)	24V dc (Power open/power close or permanent power with Modbus)
Current Draw	1 A max at 500 N
Stroke	20 - 425 mm max
Operating Speed (Nominal)	1 - 5 mm/s
Ambient Operating Temp	-5°C to +60°C
IP Rating	IP30
Open Force	500 N max (2x 250 N)
Close Force	500 N max (2x 250 N)
Clamping Force	4,000 N (2x 2,000 N)
Soft Close	Yes
Switching	Electronic
Seal Relief	0 - 20 mm
Synchronisation	1 x AT12 Twin & 2 x AT31 MPL
Standard Finish Powder coated	RAL 7016 (Anthracite Grey) RAL 9005 (Jet Black) RAL 9006 (White Aluminium) RAL 9010 (Pure White)
Colour Option	Other colours available on request
Flex Length ¹	Various lengths, sold separately ¹
Flex Type	4 core silicone
Flex Colour	Grey or White ²
Duty Cycle	40% (max 3 minute continuous run time)
Product Warranty	15,000 cycles or 12 months from the date of invoice ³
Application	Environmental Ventilation

¹Note: Cable should be ordered separately, contact SE Controls.

²This information is provided as guidance as raw materials and manufacturing processes differ therefore we cannot guarantee a precise match with the actuator body colour.

³Commercial terms for each project will supersede this warranty information.

Force Chart

