

SUPERMASTER

24 Vdc | 230 Vac

Chain actuator

Force in pull action 400 N

Stroke 450 - 600 - 800 mm

**The first powerful actuator.**

- › Big Double link chain for 400 N force.
- › Red led light on the actuator side cover for the close position indication.
- › Adjustment of the close position through a knob on the side cover.
- › Dovetail slides for easy installation with sliding brackets.
- › Top hinged windows: in case of installation without pivoting brackets, the minimum window height is: 900 mm for 450 mm stroke, 1200 mm for 600 mm stroke, 1600 mm for 800 mm stroke.
- › Bottom hinged windows, inward opening: minimum window height is: 900 mm for 450 mm stroke, 1200 mm for 600 mm stroke, 1600 mm for 800 mm stroke.
- › For installation of two SUPERMASTER AC on the same vent it is available the Coupling Control unit CP230, part No. 41089V.
(See CONTROL ACCESSORIES section).
- › The 24 Vdc version is suitable for installation on Smoke and Heat Exhaust Ventilators (SHEV) in conformity to European Standard EN 12101-2, tested by Istituto Giordano.

For installation remarks refer to the section at page 33 or contact UCS's technical department for further information.



TECHNICAL DATA

VERSION	AC VERSION	DC VERSION
VOLTAGE SUPPLY	230 Vac	24 Vdc ± 10%
CURRENT ABSORPTION (max load)	0,8 A	2,0 A
OPERATION	OP / COM / CL	polarity inversion
MAX FORCE (see force/stroke diagram)	400 N	400 N
OPENING SPEED	≈ 23 mm/s	≈ 20 mm/s
CLOSING SPEED	≈ 23 mm/s	≈ 20 mm/s
LOCKING FORCE	2500 N	2500 N
DUTY CYCLE	5%	20%
PARALLEL CONNECTION	Yes	Yes
LIMIT STOP	Micro Switches	Micro Switches
SAFETY STOP	Thermic	Electronic
PROTECTION CLASS	IP20	IP20

PART No.

AC POWER SUPPLY (230 Vac)

MODEL	SYNCHRO	FEEDBACK	CABLE	STROKE	→ COLOUR / ↓ PART No.		
					SILVER ANODIZED	BLACK RAL 9005	WHITE RAL 9010
SUPERMASTER AC	-	-	1,5 m 3 wires + earth	450 mm	40462T	40465Z	40466B
				600 mm	40452P	40464X	40454U
				800 mm	40518U	40753T	40774O

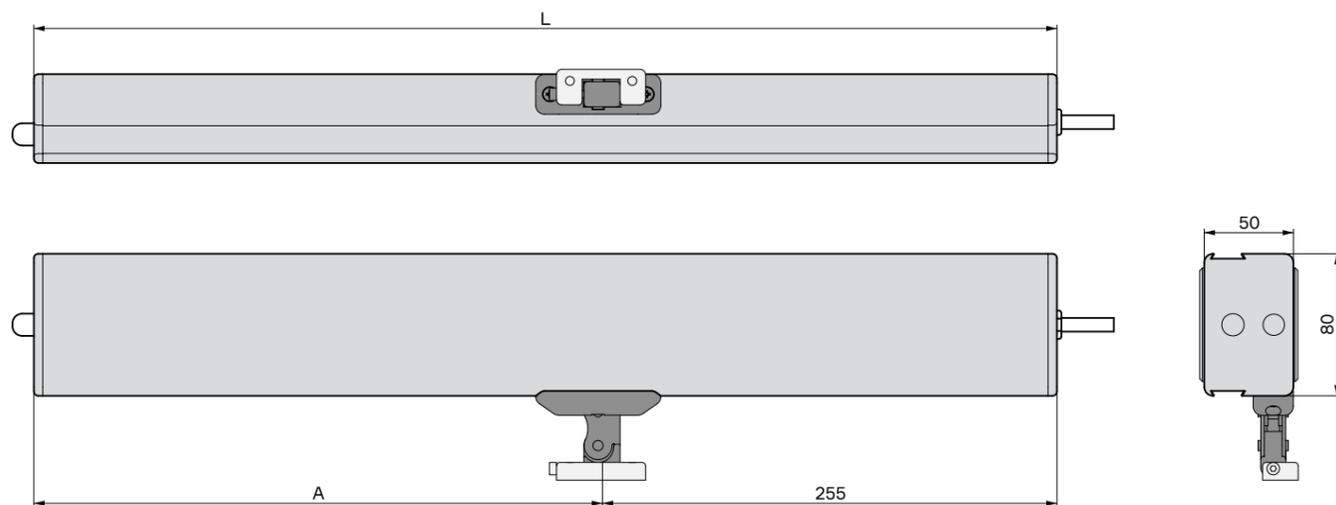
DC POWER SUPPLY (24 Vdc)

MODEL	SYNCHRO	FEEDBACK	CABLE	STROKE	→ COLOUR / ↓ PART No.		
					SILVER ANODIZED	BLACK RAL 9005	WHITE RAL 9010
SUPERMASTER DC	-	Open/Closed	1,5 m 2 wires	450 mm	40506L	40509T	40507N
				600 mm	40461R	40467D	40468F
				800 mm	40469H	40470S	40471U

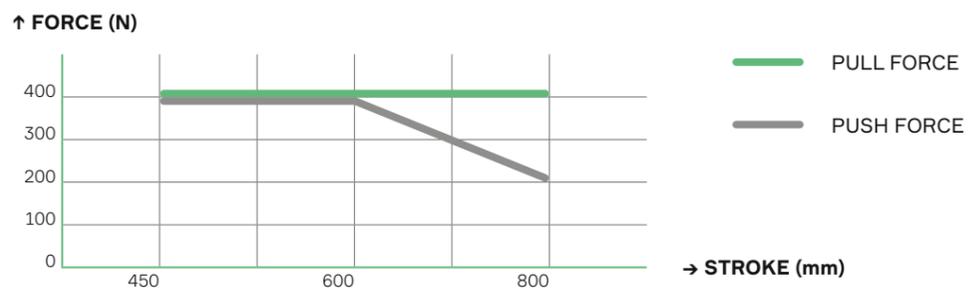
DIMENSIONS

Chain connector included.

STROKE	450	600	800
A (mm)	319	395	509
L (mm)	574	650	764

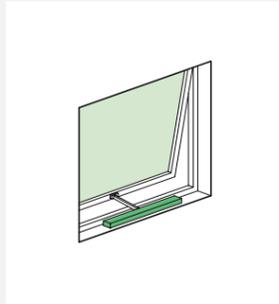


STROKE / FORCE DIAGRAM

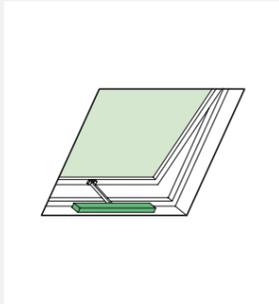


POSSIBLE APPLICATIONS

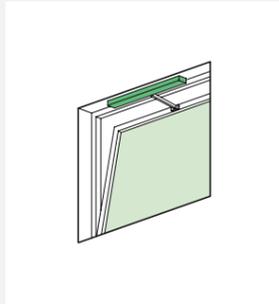
OUTWARD OPENING



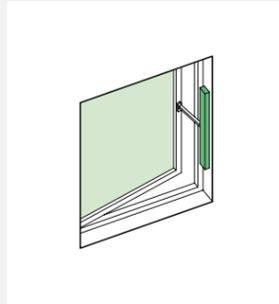
■ Top hung window.



■ Top hung roof window.



■ Bottom hung window.



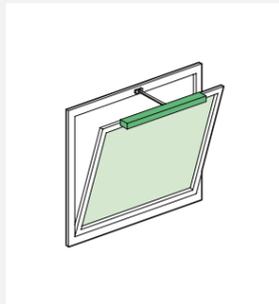
■ Side hung window.

LEGEND

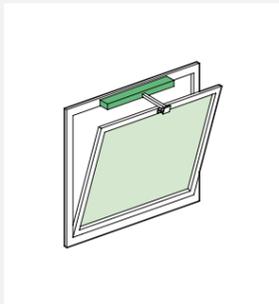
■ Common application

■ Special application

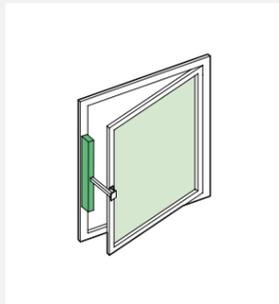
INWARD OPENING



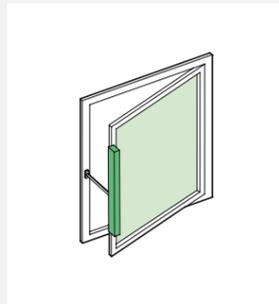
■ Bottom hung window.



■ Bottom hung window.



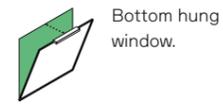
■ Side hung window.



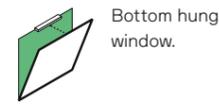
■ Side hung window.

INWARD OPENING

POSSIBLE APPLICATIONS & ACCESSORIES



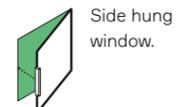
Bottom hung window.



Bottom hung window.



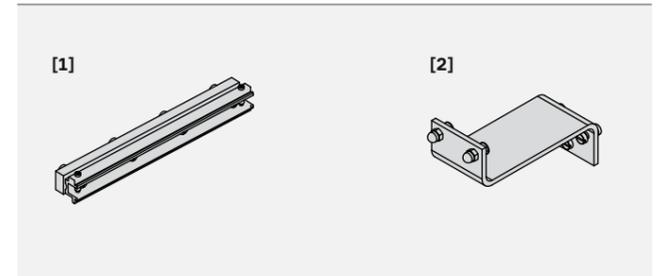
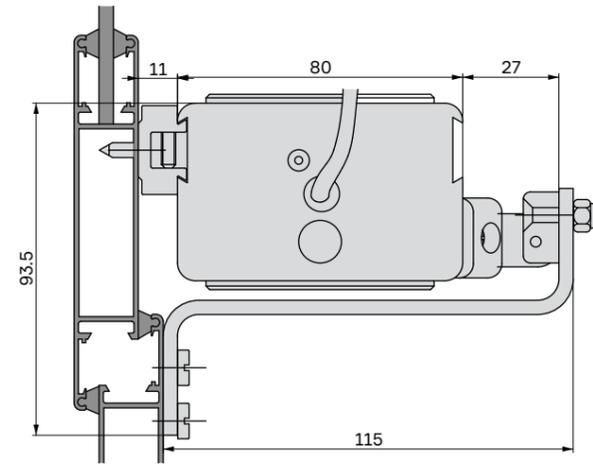
Side hung window.



Side hung window.

INSTALLATION EXAMPLE 01

On the frame with Z bracket.

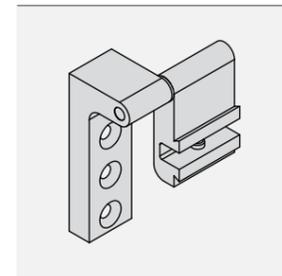
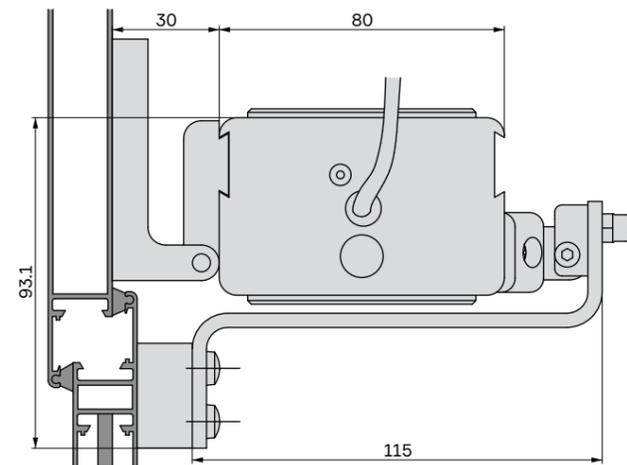


Sliding aluminium bracket [1] + Z bracket [2]

SILVER ANODIZED 40472W

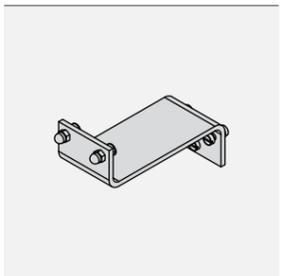
INSTALLATION EXAMPLE 02

On the frame with pivoting bracket.



Pivoting bracket kit

SILVER ANODIZED 40560T

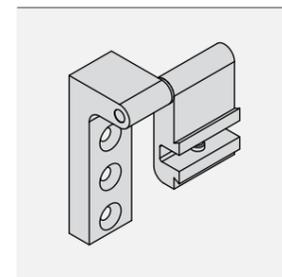
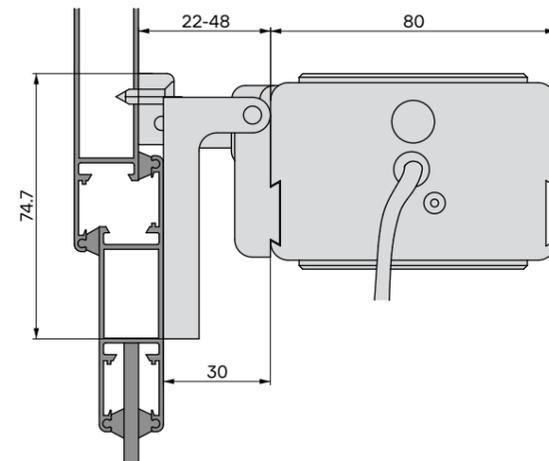


Z bracket

SILVER ANODIZED 40472W

INSTALLATION EXAMPLE 03

On the vent with pivoting bracket kit.



Pivoting bracket kit

SILVER ANODIZED 40560T

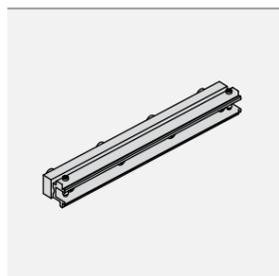
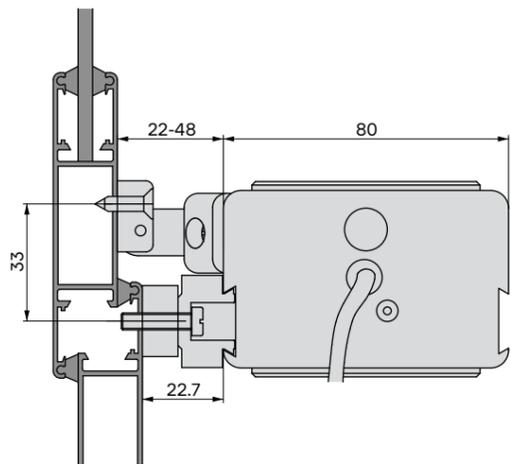
POSSIBLE APPLICATIONS & ACCESSORIES

OUTWARD OPENING



INSTALLATION EXAMPLE 01

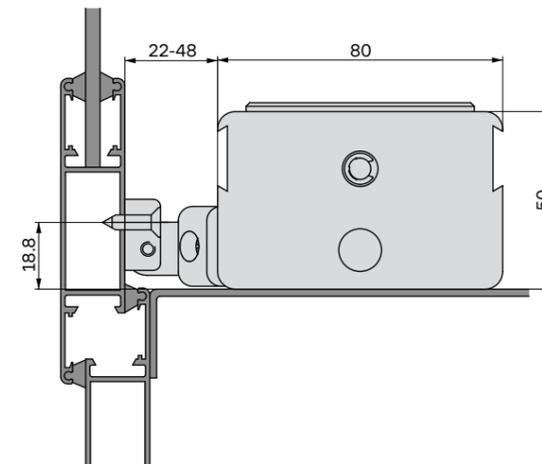
On the frame with sliding aluminium bracket.



Sliding aluminium bracket
SILVER ANODIZED 40460N

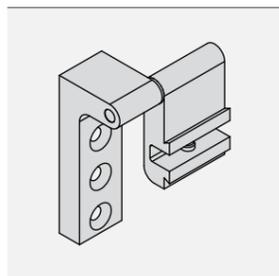
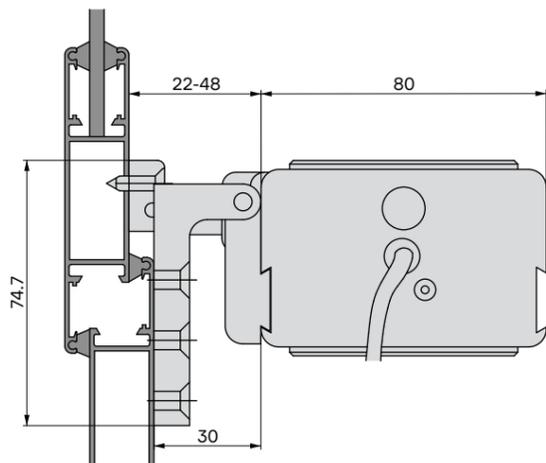
INSTALLATION EXAMPLE 03

On windowsill without bracket.



INSTALLATION EXAMPLE 02

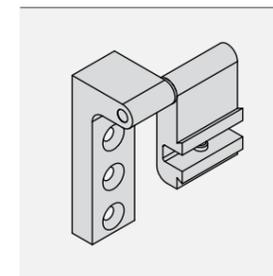
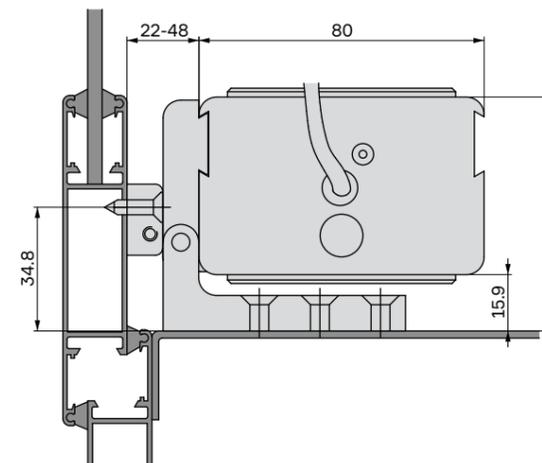
On the frame with pivoting bracket kit.



Pivoting bracket kit
SILVER ANODIZED 40560T

INSTALLATION EXAMPLE 04

On the windowsill with pivoting bracket kit.



Pivoting bracket kit
SILVER ANODIZED 40560T