

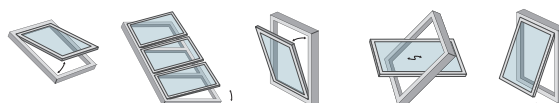
Electric chain actuator for opening and closing outward windows, sheds, skylights and inward windows in wood, PVC and aluminium.



AVAILABLE COLOURS

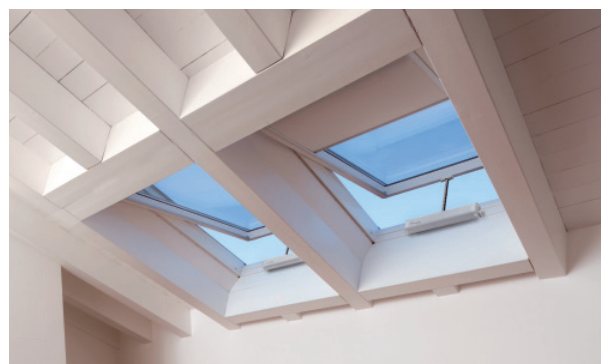
- Black RAL 9005
- Grey RAL 7035
- White RAL 9010
- Ivory RAL 1013

Openings



Description for bill of materials

Comunello electric actuator model Liwin with articulated link chain contained in the box. Operation at 230V 50Hz, or 24VDC. Electronic stop for opening, current limitation stop for closing. Up to 9 different adjustable strokes, also when motor is powered off. Can be connected in parallel. Conforming to Directives 2006/95/EC and 2004/108/EC (version at 24 VDC conforming to Directive 2004/108/EC).



W-NET is an innovative data transmission system for the coordination of several actuators (2 to 4) on one window, without an external control unit (Liwin L35).



Built-in radio receiver. Remote control transmitter available with 1 or 6 channels, 6 different colours.



Remote control option for the versions with W-BUS technology.

Technical characteristics

ARTICLE	L25 230V basic	L35 230V basic	L35 24V basic	L35 230V R
Voltage	230 V	230 V	24 V	-
Power consumption	22W	28W	28W	28W
Max. absorption.	0.14 A	0,19 A	1 A	-
Max. thrust	250 N	350 N	350 N	350 N
Operation	S2 - 4 min	S2 - 4 min	S2 - 4 min	S2 - 4 min
Protection degree (IP)	IP44	IP44	IP44	IP44
Working temperature	-5°C / +50°C	-5°C / +50°C	-5°C / +50°C	-5°C / +50°C
Can be operated in parallel	Max. 30 actuators	Max. 30 actuators	Max. 30 actuators	Max. 30 actuators
W-NET versions	-	2W-NET, 3W-NET, 4W-NET	2W-NET, 3W-NET, 4W-NET	2W-NET, 3W-NET, 4W-NET
Radio	-	-	-	Yes
Stroke	200-250-380 mm	50-100-150-200-250-300-350-400-420 mm	50-100-150-200-250-300-350-400-420 mm	50-100-150-200-250-300-350-400-420 mm
Speed	18 mm/sec	18 mm/sec	18 mm/sec	18 mm/sec
Weight	1,22 Kg	1,23 Kg	1,22 Kg	1,23 Kg

SIMPLE



Quick-fastening system for installation without the use of screws

STRONG



Robust double link chain for more thrust and traction force

RELIABLE



The actuator oscillates on support brackets and accompanies the movement of the window

ADJUSTABLE



Easily adjustable stroke via dip-switch (up to 9 positions available), also when motor is powered off

SAFE



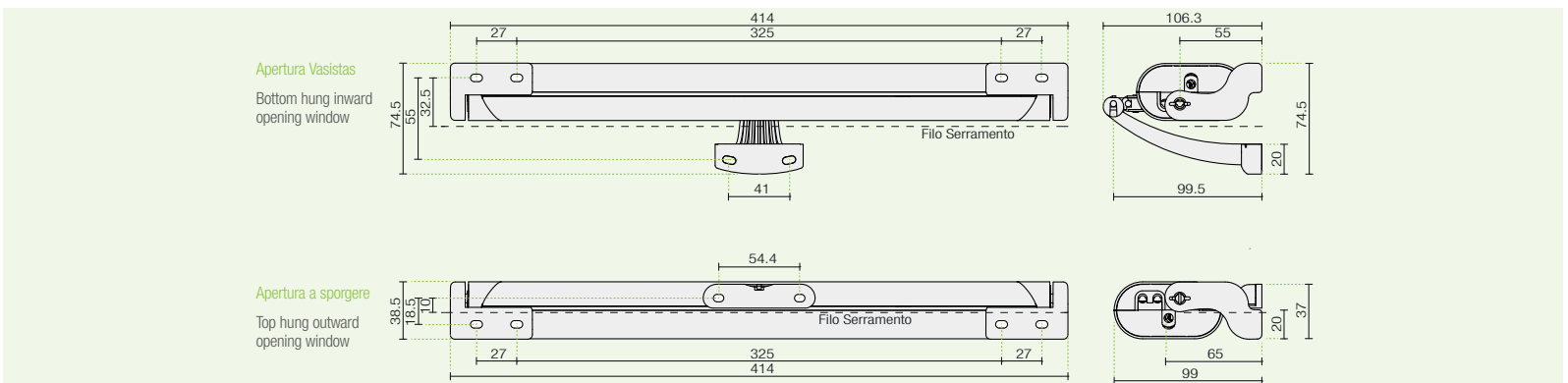
Obstacle detection and soft start and stop system for greater safety and precision.

LIMIT STOPS



Limit switch with current limitation function: guarantee of safe and perfect closing over time

Sizes



The box contains an actuator with 1.5 m power cord, a template, brackets for outward and inward windows and multi-language instructions.

Main accessories

FIXING BRACKETS FOR OUTWARD WINDOWS



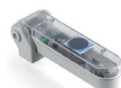
RAIN SENSOR



FIXING BRACKETS FOR INWARD WINDOWS



RAIN/SUN SENSOR



SUPPORT BRACKETS



WIND SENSOR



SUPPORT BRACKETS FOR DORMER WINDOWS



WIND/SUN SENSOR



UPPER SUPPORT BRACKETS



CONTROL UNIT - 1 MOTOR OUTPUT WITH OR WITHOUT BUILT-IN RECEIVER



LOWER SUPPORT BRACKETS



R-CONTROL Remote control with 1 (R1) or 6 channels (R6)



Available in 6 colours