



WLL 121 – Extension cable

WML 870

Louvre actuator



Natural
ventilation

24V

±24V control



MotorLink®



TrueSpeed®

Description

- designed for surface mounting
- for comfort ventilation
- for louvre
- discreet and slimline design
- Especially suitable for narrow louvre profiles
- to be used together with ±24V control units or control units with MotorLink®
- synchronization of up to two louvre actuators – no need for an external synchronization module
- genuine position feedback and three speeds when using control unit with MotorLink®
- soft close
- the electronics in this actuator can be programmed to suit specific requirements – i.e. pressure- and traction force, stroke, speed/sound level – with the WAT 200 programming box, also possible following installation
- built-in electronic load switch-off/end stop
- electronic actuator with micro controller
- the actuator has an integrated reverse function to ensure a prolonged life span of the window gaskets
- easy mounting

Actuator versions

The actuator is available as single or syncro as well as version A or B.

Single- / syncro actuator

Single actuator (-1):

The single actuator is required, if one actuator is to drive a louvre window.

Syncro actuator (-2):

The syncro actuators are required if two actuators are to drive a louvre window.

These actuators must be the same type.

A / B versions

The version describes the zero point/opening direction of the actuator.

The window is closed, when the actuator is at the zero point.

A version:

The actuator's zero point is away from the centre of the actuator housing. The gear rack's stroke (opening direction) is towards the centre of the actuator housing – see the dimension drawing on the last page.

B version:

The actuator's zero point is towards the centre of the actuator housing. The gear rack's stroke (opening direction) is away from the centre of the actuator housing – see the dimension drawing on the last page.

Technical specifications	
Pressure force	800N (programmable), momentary (max 500ms) permissible pressure force: 1000N
Traction force	800N (programmable), momentary (max 500ms) permissible traction force: 1000N
Locking force	2000N
Stroke	10 - 80mm, in increments of 10mm
Opening speed	1,5mm/s (programmable 0,3 - 1,5mm/s)
Window types	Louvre
Nominal voltage	24 VDC (max. 10% ripple)
Voltage	20 - 36 VDC
Max. open-circuit voltage	Max. 36 VDC
Current consumption	Max. 1A
Consumption of power	Max. 24W
Operating condition	-5°C - +74°C, max. 90% relative humidity (not condensing)
Switch-on-duration	ED 40% (max. 2 min. per 5 min)
Material	Lacquered zinc housing
Colour	Grey (RAL 9006), other RAL colours available at additional price
Size	318 x 34 x 29mm (W x H x D)
Weight	0.870 kg
IP rating	IP20
Life span	11.000 opening and closing movements, full stroke
Delivery includes	Louvre actuator with Molex Micro-fit connector for WLL 121.
To be ordered seperately	Brackets and extension cable WLL 121
Note	We reserve the right to make technical changes

Product code composition							
WML 870	-n	G	x	xx	S	x	1
							Product version: 1
							Certification: 0 = CE
							Actuator hardware version: S = standard
							Stroke: 10 – 80mm, in increments of 10mm (eg. 50mm = 50)
							Version: A = the zero point of the actuator is away from the centre of the actuator B = the zero point of the actuator is closer to the centre of the actuator
							Colour: G = grey
							Actuator variant: 1= single, 2 = double
Explanation of product code structure:							
WML 870-2GA50S 03:		WML 870 actuator, double synchronisation, grey, A version, 50mm stroke, with CE certification, product version 1.					

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