



WLL 121 – Extension cable

WML 870

Louvre actuator



Natural
ventilation



Smoke ventilation
EN 12101

24V

±24V control



MotorLink®



TrueSpeed™

TrueSpeed®

Description

- designed for surface mounting
- for smoke and comfort ventilation
- for louvre
- approved according to EN 12101-2 with selected profiles - please contact WindowMaster for further information
- complete opening of the window within 60sec. (depending on programming)
- discreet and slimline design
- Especially suitable for narrow louvre profiles
- to be used together with $\pm 24V$ 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 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 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
EN approval	Approved according to EN 12101-2 with selected profiles – please contact WindowMaster for further information
Delivery includes	Louvre actuator with Molex Micro-fit connector for WLL 121.
To be ordered separately	Brackets and extension cable WLL 121
Note	We reserve the right to make technical changes and correct typing errors.

Product code composition							
WML 870	-n	G	x	xx	S	E	1
						Product version: 1	
						Certification: E = actuators approved according to EN 12101-2	
						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 E3:		WML 870 actuator, double synchronisation, grey, A version, 50mm stroke, with EN certification, product version 1.					

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