



WLL 121 – Extension cable

## WML 870

# Louvre actuator



Natural ventilation

Smoke ventilation EN 12101

24V

MotorLink®

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 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	
<b>Pressure force</b>	800N (programmable), momentary (max 500ms) permissible pressure force: 1000N
<b>Traction force</b>	800N (programmable), momentary (max 500ms) permissible traction force: 1000N
<b>Locking force</b>	2000N
<b>Stroke</b>	10 - 80mm, in increments of 10mm
<b>Opening speed</b>	1,5mm/s (programmable 0,3 - 1,5mm/s)
<b>Window types</b>	Louvre
<b>Nominal voltage</b>	24 VDC (max. 10% ripple)
<b>Voltage</b>	20 - 36 VDC
<b>Max. open-circuit voltage</b>	Max. 36 VDC
<b>Current consumption</b>	Max. 1A
<b>Consumption of power</b>	Max. 24W
<b>Operating condition</b>	-5°C - +74°C, max. 90% relative humidity (not condensing)
<b>Switch-on-duration</b>	ED 40% (max. 2 min. per 5 min)
<b>Material</b>	Lacquered zinc housing
<b>Colour</b>	Grey (RAL 9006), other RAL colours available at additional price
<b>Size</b>	318 x 34 x 29mm (W x H x D)
<b>Weight</b>	0.870 kg
<b>IP rating</b>	IP20
<b>EN approval</b>	Approved according to EN 12101-2 with selected profiles – please contact WindowMaster for further information
<b>Delivery includes</b>	Louvre actuator with Molex Micro-fit connector for WLL 121.
<b>To be ordered separately</b>	Brackets and extension cable WLL 121
<b>Note</b>	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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