

## The HYBRID-Window Closer - the combination of spring- and electric drive

The new closing system combines a spring with an electrical drive. By opening the window a spring mechanism will be tensioned. This spring mechanism is connected via a gear box to a small electric motor powered by two LR6/AA-batteries. An intelligent, very little power using electronic gives the order to initiate the automatic closing operation at the pre-set time.

The stored energy resulting of the tensioned spring will be used to finish the closing command almost until the end (up to 90 %). Because the spring drive loses energy during the closing operation the motor powered by two batteries takes over the pressing force at the end of the closing operation.

### Window Closer WIN-CONTROL / WS 20.1 Product data:

U= 3 V  
Tractive force: 40N  
Material: plastic  
Weight: 380 g  
LxWxH: 147 x 85 x 30 mm

P= max. 4W  
Max. operating time KB: 3 min  
Colour: white  
Operation time: pull cord  
Batteries: LR6 (AA)



### Further information:



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## Ventilating sure, dry and comfortable



## Your contribution to reduce energy balance

### WIN-CONTROL WS 20.1

Put an end to the continued tilt position of your windows!

Controlled ventilating and closing after your pre-set time, without power cable, with long battery performance and hybrid drive technology

Hybrid-Window Closer



**What's the purpose of a window closer?  
How does it work?**

**Does this sound familiar to you?**

**A hectic morning,  
There is still much to be done...**

**After hours the delayed brainwave...**

**The tilt window in the bathroom isn't closed!  
The heating has been running for hours**

**and it's totally cooled down!**



**Window Closer WIN-CONTROL**



...closes **controlled,**  
**automatically** and  
 **cable-free**  
casements in a tilt position.

Room ventilation cares not only for fresh air but also for the removal of carbon dioxide, of various smells or excess humidity and avoids the formation of mould. In this respect it is necessary and extremely useful.

Tilt windows are often forgotten to close after the ventilation. Especially in toilets, bathrooms or bedrooms this is a problem. So in the cold season valuable heating is lost. On hot days the heat comes into the room. The security dimension should not be underestimated, too. Tilt windows attract the attention of burglars.

Room ventilation is only energy efficient in the case of doing it time controlled. This applies for ventilation by opening the window entirely and by opening the tilt window. The often recommended ventilation by opening the window entirely - because it is faster - should not exceed 4-7 min in the cold season (Lüftung im Wohngebäude / IWU. - 2012)!

Daily room ventilation by opening the window entirely is only possible to a limited extend. The hustle and bustle of the day often let you too little time or the effort involved is too high because the window sill is full of utilities. So the window is brought to a tilt position and in most cases **unchecked**.

**The Window Closer WINCONTROL takes care of these problems and closes the tilt window automatically after your time setting.**

**Here is the SOLUTION of your problems !**



time setting



Activate  
the window closer



Automatic closing

**The Window Closer WIN-CONTROL...**

...is mounted quickly and easily in 30 minutes.

...let you leave your bathroom after showering without problems. Your window will be closed after your time indication (5 min. to 6 hours).

...closes automatically in case of rain (optional accessory: rain sensor) ensuring to keep dry your carpet, laminate or parquet floor.

...needs 2 LR6 (AA) - batteries to close at least 1500 times a medium-sized window.

... improves your safety. Tilt windows attend more frequent burglaries.

**Fear of the holes in your nice window...**

.....is unfounded. After dismantling WIN-CONTROL 5 small holes (diameter appr. 2 mm) are left behind. We recommend to use colour-matched cement or hard wax suitable for windows.

**Saving energy \* Saving money \* Conserving building structure \* Improving safety**