

Adaptions

Smart is the Facilitator of

# comfort

Motorised drives and electronic control  
systems for increased convenience and safety



# Lifestyle without Limitations



Three dimensions and four walls result in a space. But still no living space. Because a living space represents a dynamic entity incorporating many factors and functions: security, comfort, health, aesthetics, sustainability, energy efficiency and much more. But the focus is always on people. In short, a space is a system. Motorised drives and electronic control and monitoring are part of the Masterclass" Smart" system, ensuring that spaces become alive and people feel comfortable in them. Living spaces.

This kind of thinking in terms of systems has a long tradition at Masterclass. Today, we are the leading system provider of room comfort: with window, door and comfort systems. Windows that are connected to the climate control and intruder alarm system, and doors with

customised access rights, are just two examples of the room comfort features that the future is set to bring. Room comfort is thus no longer the sum of many detailed solutions, but the result of a holistic approach. To convert diverse requirements, expectations and needs into innovative and marketable solutions is what drives us. For example, with Masterclass adaptations, monitoring and control solutions for windows, doors and sliding doors which can be intelligently networked and integrated in the building control technology – or in short, the future of room comfort.

It's a future in which every person has functional control over their home to offer the greatest possible flexibility and simplified procedures.



## Ease of living returned The Masterclass way

Our powerful drive systems for sliding doors as well as the concealed window drives and universal motorised handles for windows are not only clever modules for personal old-age provision and an aid for disabled persons, they also provide enhanced ease and quality of life in every home – and this at the press of a button, via remote control, by means of automatic timer systems or easily via an app. With Masterclass Smart, you will achieve future-oriented living concepts, making heavy objects lighter, more distant

objects easily accessible and fresh air a matter of course. They are a clear statement for the new ease of living, for life-long room comfort and for an elegant design. Thanks to their compactness, the drives are fully concealed and adapt harmoniously to every type of requirement.



6 Partly concealed drive system for lift & slide elements



8 Drive system for lift & slide elements



10 Drive system for sliding elements



12 Concealed tilt-and-turn drive with locking function



14 Concealed motion chain drive



16 Motorised handle for tilt-and-turn as well as parallel action windows

Lift & slide  
with concealed  
lift drive



**A Masterclass Solution: Lift & Slide System Featuring a Concealed Drive Opens and Closes Elements Weighing up to 400KG Automatically at a Press of a Button.**

## Minor detail – major effect.



A design element for living concepts in which aesthetics matter, the fully automatic Masterclass Smart lift & slide drive makes a real impression when it comes to ease of use too: at just the press of a button, it automatically opens and closes lift & slide, slide doors with a sash weight of up to 400 kg. With a concealed design, the lift drive ensures reliable locking and unlocking of extremely large windows and, along with the control knob, creates a highly attractive look. The sash can be

opened and closed by means of this control knob, infrared remote control. This also includes motorised start-up of the night vent and adjustment of a limited opening width. In combination with a flat floor threshold, a barrier-free version as per CE 18040 is also possible.

### Benefits for users:

- Modern, unobtrusive design thanks to concealed lift drive and flat control knob
- Sliding and locking at the press of a button
- Motorised night vent
- Option of a limited opening width
- Easy manual emergency operation in the event of a power outage
- Optionally can be operated with infrared remote control
- Smooth start and stop motion
- Electronic anti-trap protection feature conforming to relevant standards Operable by wheelchair users and conformant with CE 18040 if used in conjunction with the flat threshold
- Automatic 10-minute ventilation



AUTOMATED LOCKING, UNLOCKING,  
OPENING AND CLOSING OF THE LIFT & SLIDE  
SASH FOR CONFIGURATIONS A AND C

## In-Line Window adaption



UNIVERSALLY APPLICABLE – THANKS TO ITS  
CONTEMPORARY, UNOBTRUSIVE DESIGN.

So simple.  
So convenient.

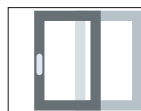


Sliding elements with glazed surfaces are a common product here in Spain which has a huge impact with users of limited mobility, our solutions enhancing quality of living. This is particularly true with the automatic smart drive for sliding elements, which can be retro fitted to existing products .



#### Benefits for users:

- Contemporary, unobtrusive design
- Automatic intermediate position
- Option of a limited opening width
- Electronic anti-trap protection feature conforming to relevant standard
- Optionally can be operated with infrared remote control
- Smooth start and stop motion
- No need for replacement products
- Automatic 10-minute ventilation



AUTOMATED OPENING AND CLOSING OF THE  
SLIDING SASH FOR E.G. CONFIGURATION A.



Concealed  
turn-and-tilt drive  
with locking function



HIGH PERFORMANCE BEHIND THE SCENES:  
ELECTRIC LOCKING, UNLOCKING  
AND TILTING OF WINDOWS.

## A slick mover.



If you select the right Company, you don't have to choose between great comfort and convenience, ease of assembly and stylish design. The adaptable, stylish drives in the Masterclass product range, for example, not only let you easily open and close windows, but also fit easily onto existing windows. Our products features first-class design and functionality, and an easy-to-install drive for turn-and-tilt windows made of timber, PVC or aluminium. Completely integrated into the frame profile, it enables fully automated, con-

trolled window ventilation. This product allows fresh air to be brought in from the outside in residential and commercial properties, enhancing both the quality of living and the property value. When the window is pushed closed from the tilt or turn position, the drive locks by itself via the auto-lock function.

### Benefits for users:

- Motorised locking, unlocking and tilting at the press of a button
- Fully concealed technology for the perfect window design
- Fast opening speed
- Can be operated manually even if it has been tilted or locked automatically
- The drive locks by itself via the auto-lock function
- Can be operated with infrared remote control
- Automatic 10-minute ventilation



WINDOW DRIVE FULLY CONCEALED IN THE FRAME PROFILE.



ELECTRIC LOCKING AND UNLOCKING AND TILTING.

## Motorised Handle



OPEN AND CLOSE WINDOWS  
AT THE PRESS OF A BUTTON.

Bright ideas.



Convenience is not a luxury. It is the intelligent enhancement of everyday living. The Masterclass motorised handle is a classic example: It opens and closes windows quickly and quietly with just a simple press of a button, either on a remote control or using a dedicated switch. Naturally this makes it particularly convenient for hard-to-reach windows or limited mobility.

But it would be a shame to miss out on the benefits of the motorised handle

when operating other windows in the house. For example the 10-minute automatic ventilation function, which promotes a healthy indoor environment but also saves money by ensuring that windows are only open for as long as actually needed.

Benefits for users:

- Ideal for hard to reach windows or limited mobility
- Modern, compact, elegant, unobtrusive design
- Infrared remote control
- 10-minute automatic ventilation function and group control
- Fast yet quiet operation
- Manual emergency operation without the need for tools
- Can be used in conjunction with weather sensors



INFRARED  
REMOTE CONTROL.

MANUAL EMERGENCY  
OPERATION.

FAST, SIMPLE  
INSTALLATION.

DISCONNECTABLE  
CABLE LINK.

Adaptions

# Masterclass Adaptions

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