Beautifully smart

MACO **mTronic** | THE WIRELESS SENSORS FOR WINDOWS,
MACO **eTronic** | DOORS & SLIDING ELEMENTS

TIMBER

PVC

ALU

Conveniently smart
mTronic & eTronic
YOUR WIRELESS SENSORS

Do you want to monitor windows and doors remotely? And be alerted if someone wants to gain access to the house at night? Then, mTronic or eTronic from MACO are the best choice. These handy little sensors communicate with a smart home system via wireless and make windows and doors intelligent. Both are also ideal for retrofitting and are thus a clever and easy investment in a digital future.

Welcome to the Smart Home
Wireless Sensors – clever & versatile

Living in an intelligent home has long since ceased to be a thing of the future. The smart home makes it possible today for building components to actively think. The mTronic and eTronic wireless sensors easily integrate windows, doors and large-surface elements into a smart home system. And the benefits for the occupant? More security, control, comfort and energy efficiency – in short, an investment that pays off.

The compact MACO mTronic and eTronic sensors can be used flexibly. Their main task is to monitor the window state (open, tilted, closed). In addition, mTronic detects a burglary attempt and triggers the alarm, both when the window is tilted and when it is closed. Embedded in a smart home system, however, these two sensors deliver much more, such as:

Window opens, heating automatically switches off – this is energy saving in a smart, wireless sensor way.

Keeping an eye on windows and doors

› Automatic activation and deactivation of the heating system when a window is opened or closed in the room.
› Being notified when it suddenly starts raining and the patio door is open.
› Automatic roller shutter control in the case of an attempted burglary.

... and many more functions. A clever solution for any requirement thanks to mTronic and eTronic!

Combined with automated hardware

› Control of the window or sliding door on the go.
› Definition of control scenarios, for example with automatic ventilation control.

For full functionality, mTronic and eTronic must be integrated into a smart home system.
For certain functions, the integration of other controllable components is also necessary. More on www.maco.eu

mTronic – the all-rounder
Locked, open, tilted, burglary?

The wireless-based, flush-mounted and networkable multi-sensor mTronic is used for windows, doors and sliding elements. It offers 24/7 status monitoring (open, closed/locked and also tilted for windows) as well as intelligent burglary detection. And all this without activation – mTronic is therefore on watch around the clock.

Control talent eTronic
Focus on the essentials – open or locked?

The eTronic wireless sensor detects the essential window states - is the window open or locked? It forwards this information to the smart home system – a cost-effective and functional solution. Additionally, with the empty eTronic casing as a „Smart Dummy", a window can also be prepared for possible later use in the smart home. Retrofitting is thus also child's play.

mTronic

eTronic

mTronic

Application areas	Window, door, sliding element
Compatibility	All materials (timber, PVC and many aluminium profiles), many hardware systems
Requirements Window/door system	Rebate depth min. 18 mm Rebate gap min. 12 mm
Opening detection	Window: open (turn opening), tilted (tilt opening) and closed (locking) Door, sliding element: open and closed
Installation	Flush-mounted
Dimensions	18 x 9 x 135 mm (W x H x L)
Connection type	Wireless, radio standard EnOcean
Battery life	3 to 5 years (simple replacement)

Automatic burglary detection on windows, without activation

The mTronic multi-sensor detects, by the changing position of the locking pin, whether it is being deliberately moved or if the sash is being lifted by force – in both the locked and in the tilted position (depending on the installation position).

Keeping an eye on security – over many years

With the innovative closure monitoring of the eTronic and its long battery life, your customers can have reassured sleep for many years.

eTronic

Application areas	Windows
Compatibility	All materials (timber, PVC, aluminium), hardware neutral: any window size, any RC matrix - no change required in the hardware configuration
Requirements Window system	Rebate depth min. 24 mm Rebate gap min. 12 mm
Opening detection	Open (turn and tilt function) and closed (locking)
Installation	Flush-mounted
Dimensions	24 x 10 x 70 mm (W x H x L)
Connection type	Wireless, radio standard EnOcean
Battery life	6 to 8 years (simple replacement)

Vigilant throughout the whole house
Powerful when combined

Home security and comfort should be particularly comprehensive, but while keeping the costs manageable. This is where it is recommended to combine the sensors MACO mTronic and MACO eTronic.

Install mTronic wherever burglars could have an easy time, especially with windows and doors on the ground floor - the sensors trigger an alarm in case something happens. And the cheaper eTronic? This suits all windows, but it is also used as a supplement to mTronic for example, upstairs or for smaller ventilation windows. The MACO wireless sensors - a good security team.

Installation – it couldn't be easier

- Possible assembly positions **mTronic**
- Assembly position **eTronic**

Attach mTronic and eTronic to the intended location in the frame (retrofitting possible). Then, check the functionality with the test device - done!

Extremely versatile wireless sensor
Also for doors and sliding elements

The greatest versatility - mTronic makes not only windows, but also doors and sliding elements intelligent. This makes the MACO wireless sensor a holistic solution for easy, reliable status control throughout the whole house.

mTronic is also perfect on sliding doors and reports whether they are open or closed. In addition, the sensor detects the tilted position and locking status on selected models.

- Possible assembly positions **mTronic**

Thanks to its narrow design, mTronic fits into almost any door rebate. Installed crossways at the top, it monitors the open status of a door, while in combination with a magnetic bolt, it also monitors whether the door lock is locked.

Wireless standard EnOcean
The reliable partner

mTronic and eTronic are based on the encrypted radio standard EnOcean. This ensures easy integration into a smart home system - select, activate, start!
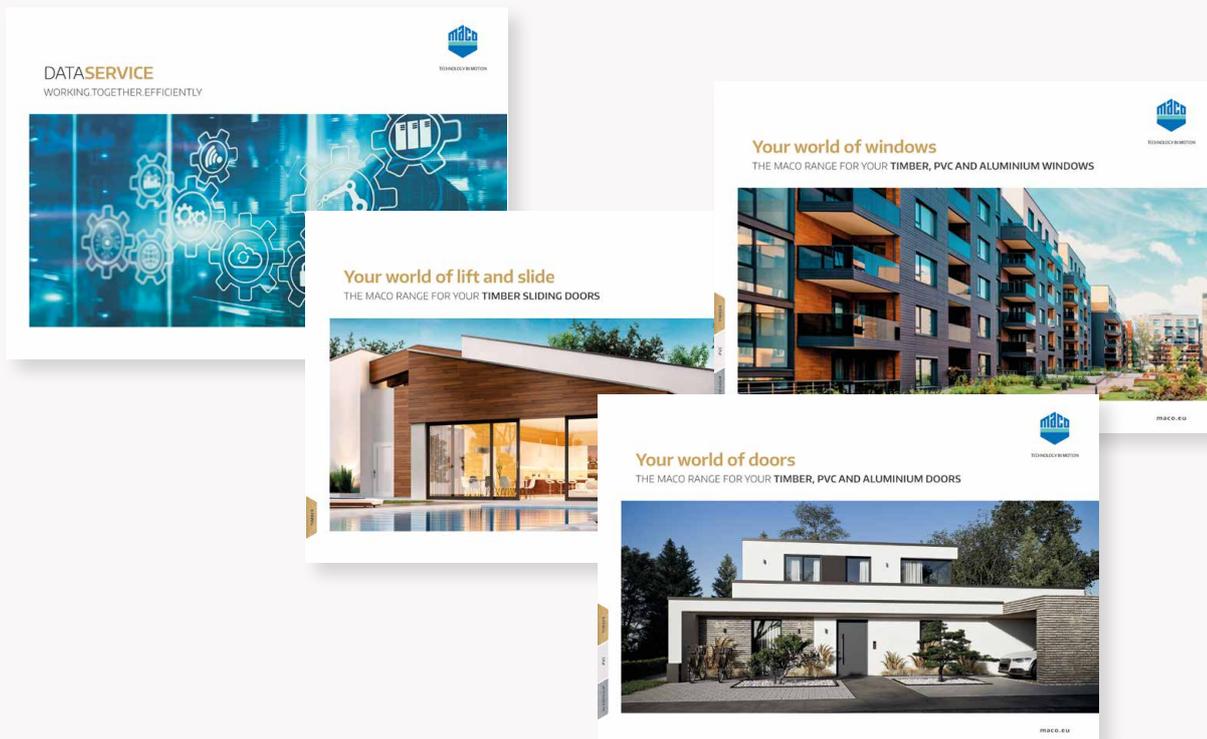
Smart Home partners and systems

AFRISO   Eltako ELECTRONICS   homee   mediola   somfy.   SYMCON   wibutler

The current list is available under www.maco.eu.

Would you like everything from a single source?

With us you get complete solutions for your large surfaces, windows and doors – for timber, PVC and aluminium. Experience our versatile systems range with comprehensive service included. Discover more on our website **www.maco.eu** or contact your MACO customer advisor.