



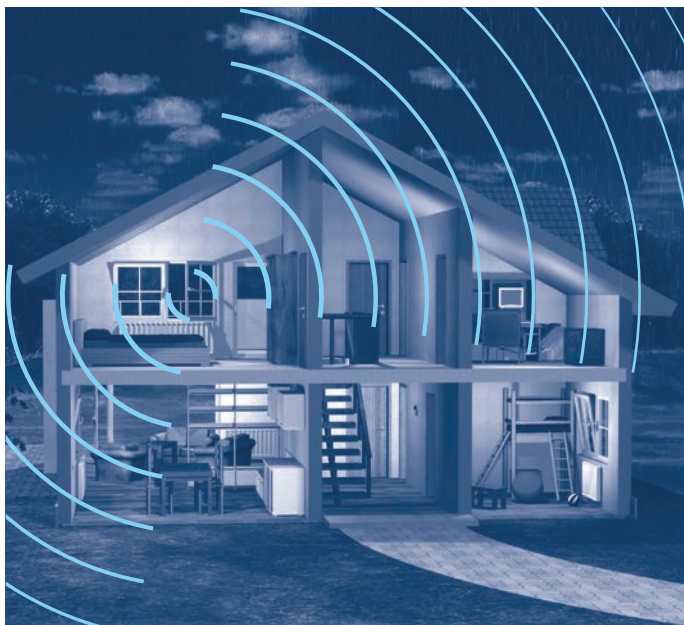
SecuSignal® –
More than opening
and closing

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The smart home makes everyday life easier

In modern cars, it has already become second nature: sensors at various points measure certain statuses and transmit the information to a central control unit, which then initiates particular actions, e.g. activating a warning message as soon as the brake pads need to be replaced.

Our homes are also well on the way to becoming centrally controlled. It works in the same way as in a vehicle: sensors transmit certain statuses to a central control unit which then puts defined processes into action on the basis of that information. In this way, it is possible to perform everyday tasks in an automated way. In private households, this is then referred to as a “smart home”. The heating, air conditioning, ventilation, lighting, sun protection, telecommunications and entertainment electronics can be networked via a corresponding system and controlled centrally to make everyday life easier for the people living in the smart home.



SecuSignal®

When a SecuSignal® window handle is turned it transmits a wireless signal to a central control unit. This information can be relevant for various areas:

- Should the light be switched on when windows are still open and mosquitoes are hovering outside?
- Can automatic shading begin while windows are tilted?
- Does it make sense to allow the air conditioning to start up while the windows are open?
- Would it be better to turn the heating off while airing rooms in the morning?
- Does the volume of consumer electronics need to be reduced while the windows are open?
- Should the roller blinds be allowed to close automatically in summer while the French door is open and the residents are still in the garden, possibly resulting in them being locked out?

**SecuSignal® window handles
are a useful convenience component
for a smart home system!**

SecuSignal® – More than opening and closing



No battery required

It is important in a smart home system that all the sensors and controls can communicate with each other. HOPPE SecuSignal® window handles with wireless communication work with the EnOcean radio standard. Not only does this ensure smooth communication, it also has another advantage: the EnOcean radio technology works without the need for any batteries! So the chore of changing batteries is a thing of the past: the information is transmitted maintenance-

free, reliably and with no electromagnetic pollution. It can be integrated into all smart home systems that are compatible with EnOcean.



How does SecuSignal® work?

Operating a SecuSignal® window handle with wireless communication is remarkably easy and takes just a few minutes: first the handle is set – this works differently for each system but it is described in great detail by the respective manufacturer. In principle, the SecuSignal® window handle is registered, detected, then integrated into the system as one of many other components.

If a SecuSignal® window handle is turned to the opening or tilted position, electrical energy is generated which is used to transmit a radio signal – to an EnOcean-compatible receiver that can process the information. A circuit board is integrated into the rosette of the handle to this end, along with a small antenna, which acts as a transmitter.

The radio signal will act as one of several providers of information for controlling the heating, lighting, sun protection, etc. in a smart home system. It can be controlled either from a central computer unit or with mobile devices such as smartphones or tablets.

The benefits at a glance

- **Battery-free** communication thanks to EnOcean technology
- Easy integration into smart home systems
- Highly reliable transmission
- Quick and easy retrofitting thanks to VarioFit® (spindle length 32-42 mm)
- Integrated, patented Secustik® technology
- Also available in lockable anti break-in versions with Secu100® + Secustik® technology

SecuSignal® – More than opening and closing

SecuSignal® window handles in the Toulon and Atlanta series are available in three different finishes:

Series Toulon	Series Atlanta	
		SecuSignal® Secustik® VarioFit®
F1 Aluminium silver	F1 Aluminium silver	
Series Toulon	Series Atlanta	
		SecuSignal® VarioFit® Secu100® Secustik®
F9 Aluminium steel	F9 Aluminium steel	

All SecuSignal® models shown are also available in finish F9016 (Aluminium traffic white).

All wireless SecuSignal® window handles are



Maintenance-free

Usual HOPPE quality

HOPPE SecuSignal® window handles with wireless communication are very easy to install. Thanks to VarioFit® – a patented solution to bridge different installation depths in the window profile – replacing a window handle without wireless communication with a SecuSignal® window handle is no problem. Its Secustik® technology provides integrated basic security against break-ins. Like all HOPPE brand hardware, SecuSignal® window handles with wireless communication are high-quality products manufactured in Europe.

EnOcean technology

EnOcean modules combine micro-energy converters with ultra-low power electronics and reliable wireless communications. Standardised sensor profiles allow devices from other manufacturers to communicate with each other and work together in one system. For more information, please visit www.enocean.com.



Do you have any queries about how SecuSignal® works or about any other models? Please don't hesitate to contact us. We are happy to help.

www.secusignal.com



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