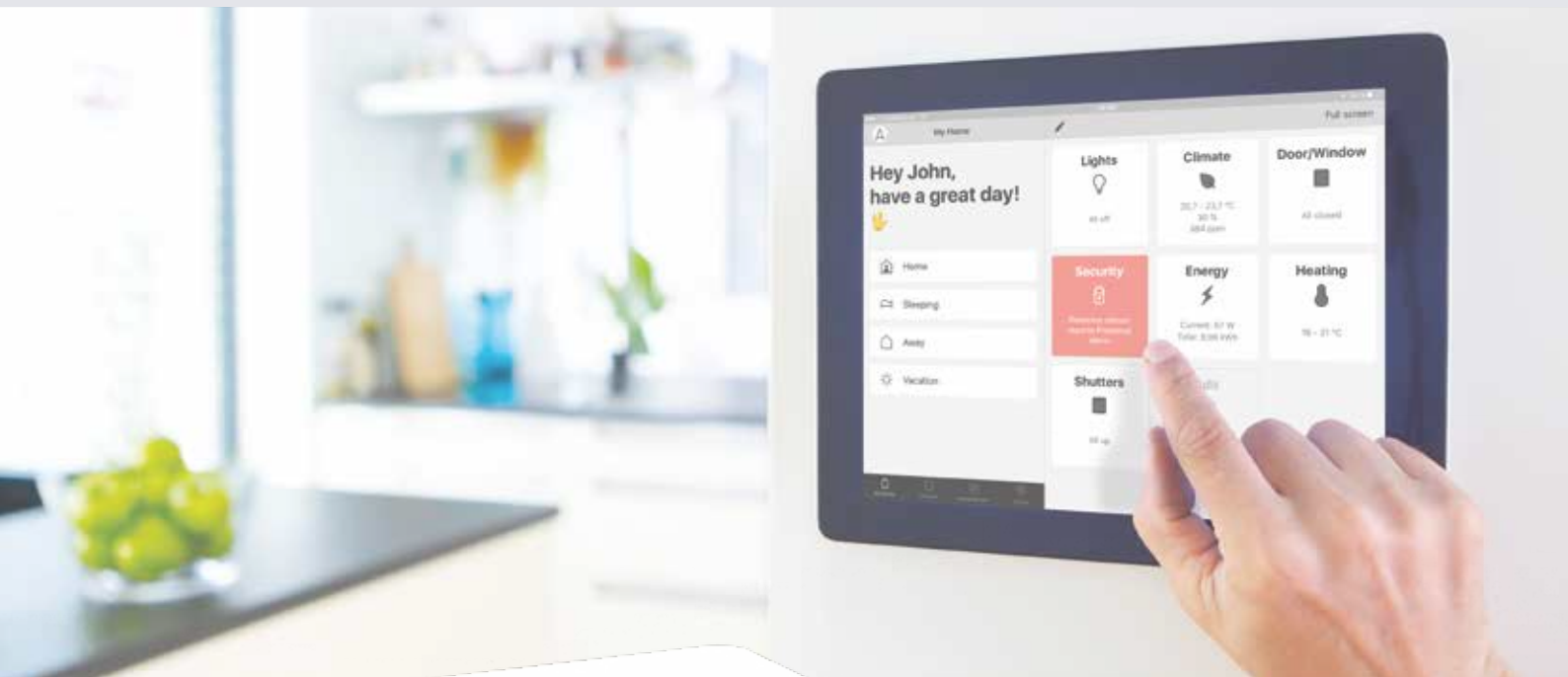


# AFRISO Smart Home

Personalised, versatile and flexible





**ENCE**



Systematic home automation.

# AFRISO Smart Home

AFRISO, a family business founded in 1869, provides cutting-edge technology and expertise for safe heating systems and tank facilities and is an industry partner in the area of pressure and temperature measurement. Energy saving has been the focus of our product development for more than 45 years - long before terms such as "energy efficiency" and "environmental protection" became commonplace. We make sure that your heating system works in an environmentally friendly, clean and efficient way.

Smart Home – for some just a trend – has a long tradition at AFRISO: We launched products for event reporting in buildings as early as 1997. Since 2012, we have been continuously developing the latest Smart Home generation – today, a team of 15 app specialists is at work for you. We are not a start-up, we are not an Internet giant collecting data, we are not an impersonal telecommunications corporation. We are your reliable partner with a future-proof solution who respects your privacy and ensures more security and comfort and a better indoor climate in your home, step by step and exactly as you need it.



**Wireless**



**Open**



**Low radiation**



**Complete solution**



**Data security**



**Quality**



## **Installation without cables**

As a result of energy-autonomous transmission of the signals via EnOcean® wireless, no power cables are required, you do not have to replace batteries you and benefit from a simple plug & play installation.



## **Open system**

The AFRISOhome gateway communicates with many standard devices using the EnOcean® and WLAN or Zigbee\* and Z-Wave\* protocols. This allows you to control many other devices in addition to AFRISO sensors and actuators – and you will remain manufacturer-independent.

You will find the complete whitelist on:  
[www.afrisohome.com/whitelist](http://www.afrisohome.com/whitelist)



## **Low radiation**

AFRISO Smart Home relies on data transmission via EnOcean®. This technology transmits its data with 700 times less radiation than your WLAN home network.



## **Complete solution**

Let your life be smart. Whether indoor climate, convenience or security – AFRISO Smart Home offers a complete solution of perfectly adapted components from sensors and actuators all the way to the gateway and the app.



## **Quality**

Decades of experience and an impeccable track record of proven products in the area of domestic technology guarantee that you get a high-quality solution. AFRISO Smart Home products are designed in Germany and manufactured at European production sites.



## **Data security**

At home stays at home. Your data is directly on your AFRISOhome gateway and transmitted with the same encryption as in the case of online banking. AFRISO Smart Home does not use a cloud solution and can also be operated without an Internet connection.

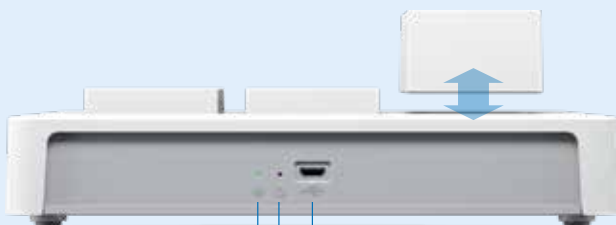
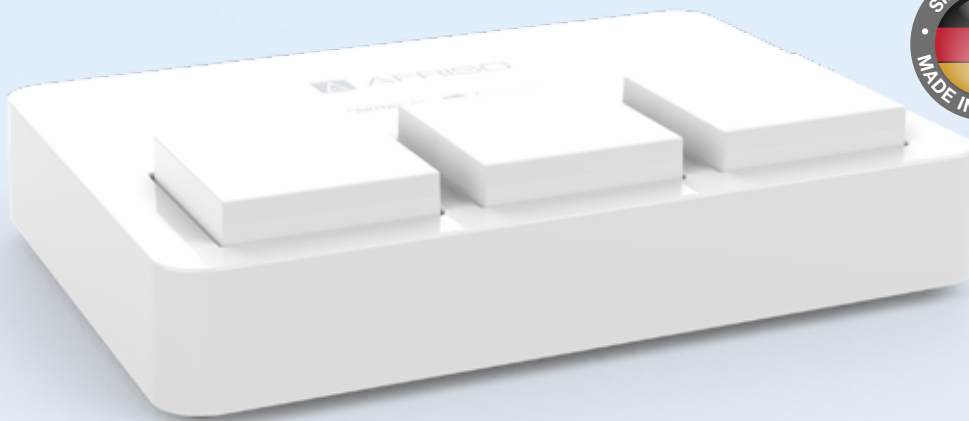
\* optional

## The AFRISO Smart Home gateway HG 02.

# The base station

The AFRISOhome gateway is the control centre for the reliable operation of small smart home solutions all the way to complete building management systems. Sensors and actuators can be easily integrated into the smart home sys-

tem via plug & play. Alarms, messages and measured values are documented on your local system and displayed in the AFRISOhome app on the smartphone, tablet or in the web browser.



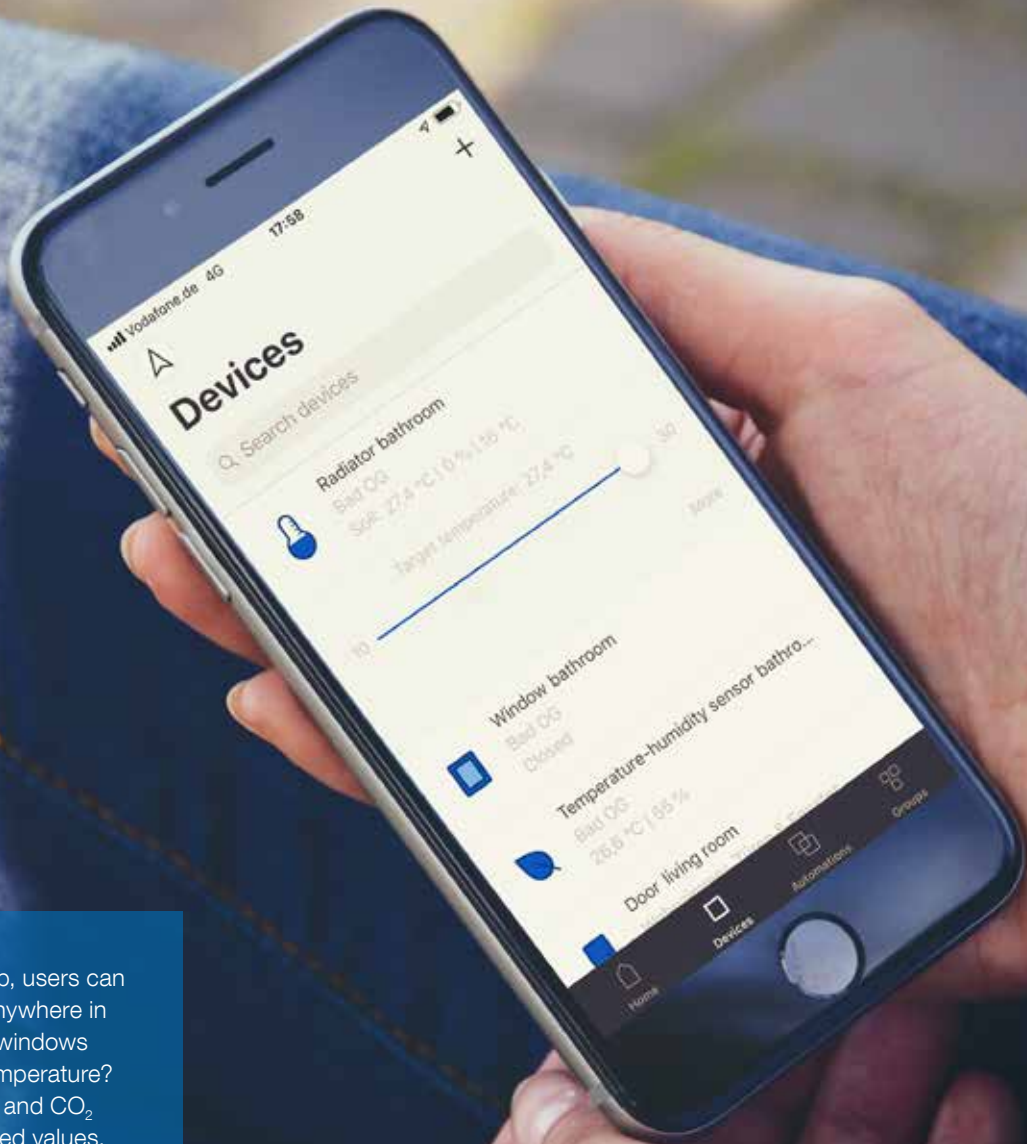
Status-LED  
Reset  
Mains connection,  
Micro USB



Docking station  
wireless standard  
extension via cubes

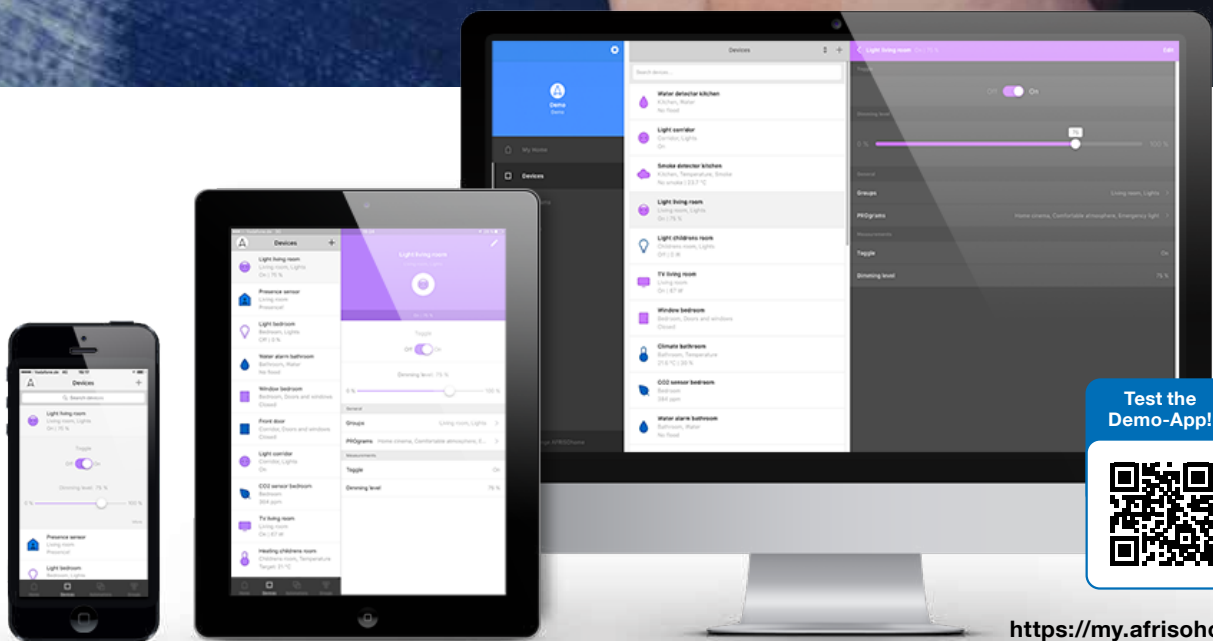
Extension  
module Z-Wave  
(option)

Cover for  
docking station



### Overview

With the AFRISOhome app, users can access their home from anywhere in the world, at any time: All windows open or closed? Room temperature? Lights on or off? Humidity and CO<sub>2</sub> concentration? All measured values, the battery status and the connection quality of the device are displayed. Even power consumption can be evaluated and displayed to help you save energy.



Test the Demo-App!



<https://my.afrisohome.de>

One for all.

# The AFRISOhome app

The free app allows you to monitor and control all devices in your home in a very simple way. The data is displayed in easy-to-understand diagrams so that you always have an

overview of the temperatures, power consumption and other information. Regular updates bring you new features and devices on an ongoing basis.



## Teaching in devices

The app helps you teach in new sensors in an intuitive, step by step way: Add new device, select sensor/actuator from the cross-vendor device list, press START and press the LEARN key of the product. Done.



## Function GROUPS

You can group multiple devices and control them conveniently with a single tap. The groups can be summarized again and also be linked to a PROgram. This allows you to automatically perform presence simulation sequences or room control functions and to create room atmospheres.



## Automation

PROgrams and plans let you automate sequences using „if-and-then“ functions; they are created in the app and easy to manage. For example, you can trigger repetitive tasks at given points in time or create complex programs that make life easier and more secure.

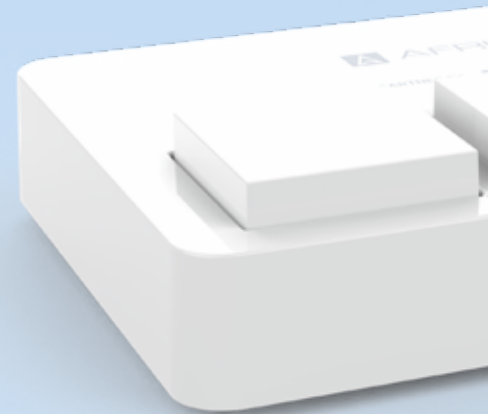


## Alarm messages

If a security-related devices triggers an alarm, it is sent immediately to the smartphone or tablet as a push message. This way, you can quickly take counteraction. It is also possible to send messages to e-mail addresses.

# Gateway, sensors and actuators. A complete system

AFRISO Smart Home is unique: In addition to the gateway and the app, a comprehensive selection of professional sensors for a great variety of applications is available from a single supplier.



\* Optional, can be retrofitted



Battery-free  
by EnOcean

Mechanical  
**WaterSensor eco** –  
Battery-less



Conductivity sensor  
**WaterSensor con** –  
With temperature



Conductivity sensor  
**WaterSensor BWS** –  
Non-breakable probe



Water valve  
**WaterControl 01.1**



Vacuum type leak detector  
**Eurovac\***



**Temperature controller CosiTherm®**  
for manifold systems (heating and cooling)



**Room temperature sensor FT** (temperature)  
**FTF** (temperature/humidity)



Indoor siren  
**AIS 10/PRO**



Wireless smoke alarm  
**ASD 10/20**



Wireless heat detector  
**AHD 10/20**



**CO<sub>2</sub> sensor**  
Ambient air quality in rooms





Complete whitelist of all compatible products:



### Can be extended by many functions and products of other manufacturers



#### Inspection systems

(e. g. Netatmo)



#### Light

(e. g. Philips, IKEA by using Zigbee extension module)



#### Voice control

(e. g. Alexa from Amazon Echo)



#### Locking systems

(e. g. Nuki Smart lock)



#### Heating systems

(e. g. WOLF ISM8i module)



Oil/water alarm unit **ÖWWG 3\***



Oil/water alarm unit **ÖWU\*** – differentiation oil/water alarm



Level switch **Minimelder/Maximelder\***



Tank contents indicator **DTA 20 E**  
(Fuel oil, diesel fuel, water, etc.)



Temperature sensor **FTM T**  
Temperature and humidity sensor **FTM TF**



Temperature and humidity sensor **FTM 20 TF**



Wireless actuator **AVD 30**  
Battery-less, for radiators



Door and window contact **AMC 20**



Rocker switch **FT4F-rw** –  
Battery-less



**Wireless transmitter FTM** –  
Dive integration via voltage-free contact.

\* Wireless module TCM 320 necessary

Indoor climate. Comfort. Security.

## Your smart home

As a fully featured system, AFRISO Smart Home networks all light, heating and air conditioning control systems via a central gateway. The gateway processes sensor and consumption data, triggers control action and initiates other measures, and transmits the information to mobile devices.

**Start simple –  
and extend as required**



### AFRISO Smart Home

- 1 Water valve with wireless control [WaterControl](#)
- 2 Wireless conductivity water sensor [WaterSensor BWS](#)
- 3 Tank contents indicator [DTA 20 E](#)
- 4 Wireless actuator for radiators [AVD 30-D](#)
- 5 Room air monitoring: [CO<sub>2</sub> sensor wireless](#)
- 6 Single room temperature controller [CosiTherm®-wireless](#) for floor heating systems
- 7 Indoor siren [AIS 10](#)
- 8 Wireless room temperature sensor [FT](#)
- 9 Wireless rocker switch [FT4F-rw](#)
- 10 AFRISOhome gateway [HG 02](#)
- 11 Wireless mechanical water alarm [WaterSensor eco](#)
- 12 Compatible window blind actuator (e. g. [NodOn](#), see whitelist)
- 13 Wireless heat detector [AHD 10](#)
- 14 Wireless smoke alarm [ASD 10](#)



Smart inspiration.

## Application examples



### INDOOR CLIMATE: Intelligent panel heating and cooling

On the road to your holiday destination but forgot to turn down the room temperature? The apartment is aired but nobody turns down the heating? Reduced night temperature is not enough automation? Benefit twice and reduce the room temperature on hot summer days?

From now on, remotely control your underfloor heating system in a convenient way and discover further energy saving potential. The AFRISOhome app provides all the information you need and helps you to adjust the heating system to your personal requirements.

### Suitable products



Single room temperature controller  
CosiTherm®



Wireless room  
temperature sensor FT



Thermal  
Actuator  
TSA-02



Door and  
Window contact  
AMC 20

## Suitable starter set

Starter set INDOOR CLIMATE

### Panel heating/cooling



Smart retrofitting or modernisation of wall or underfloor heating systems. Convenient, wireless room temperature control. At home or on the road – you always have full access to your favourite temperature.

#### Scope of delivery:

- 1 x CosiTherm® base module BM
- 1 x CosiTherm® controller module F6A,  
wireless for 6 control circuits
- 3 x room temperature sensor FT
- 4 x thermal actuator TSA 02
- 1 x AFRISOhome gateway HG 02  
(WLAN, EnOcean®)

**Contact your specialist partner  
for your personal price**



## SECURITY: Leakage protection

Washing machine or dishwasher leaky? Leak in the pipe or the bathtub drain? No floor drain in the bathroom or the utility room? Would you like to simply press a button when you leave the building and be assured that the main water pipe is closed?

There are many leakage risks, and if you are not at home, the result may be major water damage. It does not require a lot of effort to safeguard against such risks:

Battery-less, maintenance-free water sensors are placed in rooms or locations subject to potential water hazards. As soon as they detect humidity, a radio alarm is sent to the shut-off valve which closes the main water pipe – no more water can flow!

## Suitable products



Water valve  
WaterControl 01.1



Water sensors:  
 · WaterSensor eco (battery-less)  
 · WaterSensor con (with photovoltaic cell)  
 · WaterSensor BWS (with non-breakable probe)



Wireless rocker switch FT4F-rw



Level switches  
Minimelder/Maximelder



Indoor siren  
AIS 10 PRO

## Suitable starter set

### Starter set SECURITY

#### Water leakage without gateway



Damage to buildings and equipment resulting from water leaks totalling 1.7 billion euros every year. Each second counts – a detection system allows the water supply to be immediately shut off.

#### Scope of delivery:

- 1 x water valve WaterControl 01.1, connection G1
- 2 x water sensor WaterSensor eco
- 1 x indoor siren AIS 10 PRO
- 1 x wireless rocker switch FT4F-rw

Part no. **79012**

**Contact your specialist partner for your personal price**



## SECURITY:

### Personalised alarms

Something is going on in your house, but you and your family are not at home? Windows and doors open or closed? There is smoke in the building, resulting in a life-threatening situation? Accumulation of water detected?

The security components of AFRISO Smart Home provide you with reliable solutions in the areas of burglary, fire and water damage and you can easily compose and extend your own smart home alarm system. If you use the indoor siren, you can even start in stand-alone mode – i.e. without a gateway.

## Suitable products



Indoor siren AIS 10



Smoke detector  
ASD 10



WaterSensor eco

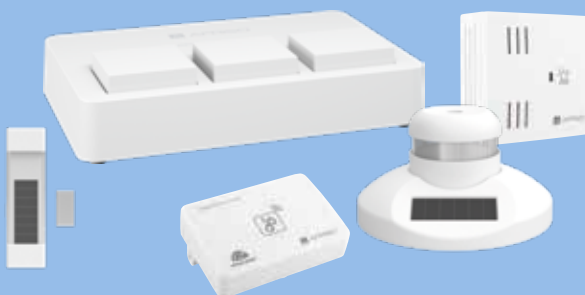


Door and  
Window contact  
AMC 20

## Suitable starter set

### Starter set SECURITY

#### Alarm system



The foundation of a secure smart home. The set frightens off trespassers, triggers alarms in life-threatening situations and helps prevent serious water damage.

#### Scope of delivery:

- 1 x water sensor WaterSensor eco
- 1 x smoke alarm ASD 10
- 1 x door/window contact AMC 20
- 1 x indoor siren AIS 10
- 1 x AFRISOhome gateway HG 02 (WLAN, EnOcean®)

**Contact your specialist partner for your personal price**

Contact service.

## Consulting and contact

You can order AFRISO Smart Home products via specialised HVAC and electrical companies; these companies also install the products. We would be pleased to assist you in finding experts trained for AFRISO Smart Home – get in touch with us.



**[www.afriso.com/contact](http://www.afriso.com/contact)**



Further information and background knowledge concerning wireless standards, ranges or our security concept can be found on our AFRISO Smart Home website, clearly presented and always up to date.

Visit us for extensive information on our smart products, starter sets and on references:



**[www.afrisohome.com](http://www.afrisohome.com)**

The brochure has been presented by:





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