

dormakaba wireless gateway 90 40

Connecting your door via radio



 Wireless

Benefits at a glance

- **Convenient programming from your desk**
Door and status information are displayed automatically
- **Easy installation**
Thanks to PoE (Power over Ethernet) the gateway does not need an additional power supply
- **Elegant design**
The premium and discrete design blends in harmoniously with the existing building structure
- **Expandable**
The range between gateway and door components can be expanded using wireless extenders
- **High Security**
Radio communication using AES encryption

Your access – convenient and secure

The dormakaba wireless gateway 90 40 connects our wireless door components with the access system. It transfers new access rights to the doors via radio.

The data is protected using state-of-the-art encryption technology. This way, the standalone door components are seamlessly integrated into the entire access system.

Simple Integration

The easy setup of the wireless gateway enables fast and easy integration into all dormakaba access systems, be it either an online or standalone environment. This way, you are able to install new or expand existing access solutions quickly, safely and cost-efficiently.

Access rights can be issued or removed within seconds, conveniently from your desk. There is no need for on-site programming.

If status information is displayed, such as "door opened" or "battery low", the gateway ensures that your administrator is informed* immediately.

* Depending on the access solution applied

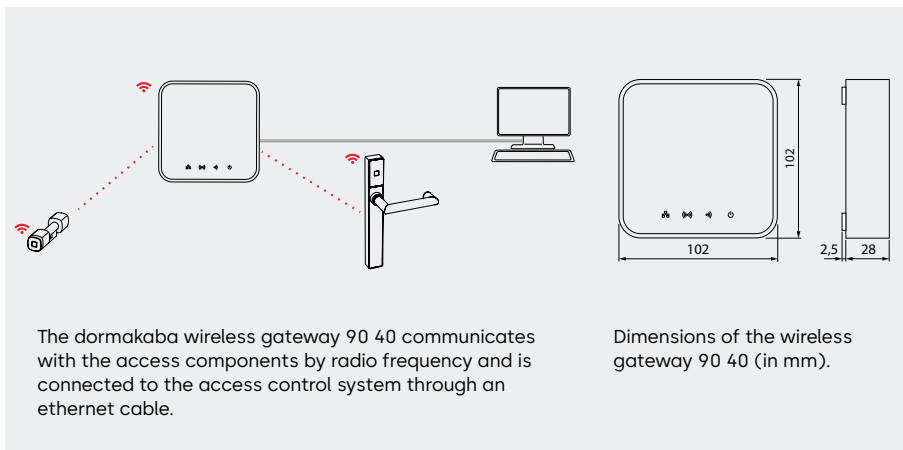
Areas of application

The wireless gateway 90 40 is suitable for small and medium-sized companies and for major facilities.

It is used wherever a certain monitoring of the door is required and the site does not allow for any cabling.

Possible application areas:

- Historic buildings
- Office premises, e.g., with glass doors or glass walls
- Retrofitted access points



Technical Data

Dimensions/Design

- 102 x 102 x 28 mm (W x H x D)
- Color: White

Interfaces

- Ethernet 10/100 Mbps
- USB 2.0

Radio interface

- Technology: IEEE802.15.4
- Frequency band: 2400 to 2485.5 MHz (16 channels)
- Transmission power: +12dBm
- Receiver sensitivity: -101 dBm @ 1 % PER

Power Supply

- PoE (Power over Ethernet) IEEE.802.3af
- 9 VDC, ≥800 mA
- Coaxial connector: 3.5 mm/1.35 mm
- Power consumption: Type. 1.2 W, max. 2.5 W

Environmental Conditions

- IP class: IP20
- Operation temperature: 0 to +50 °C
- Relative humidity 5 % - 85 %, non condensing

Subject to technical changes without prior notice.
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Main wireless functions

- Convenient allocation and removal of access rights via radio
- Overview of door status and door events at any time (depending on applied solution)
- Immediate alarm if the door is forced open (depending on applied solution)
- Firmware is updated via radio
- Release of doors at the click of a mouse
- Automatic battery status notification

High security

The data transmitted between gateway and door components are encrypted with AES at both network and application level. The necessary keys are generated by the system and are unique for each site.

Supported components

One wireless gateway 90 40 supports up to 16 door components.

Extending the range

If there is need for greater distances between the gateway and the door component, or if complex building structures exist, both the range and the radio quality can be extended with up to eight wireless extenders.

Installation

Simple indoor installation with two screws to wall or ceiling. Thanks to PoE (Power over Ethernet) the Ethernet cable is just clicked in – there is no need for additional wiring.

Putting into operation

Setup is carried out via the access control system or via the web interface of the gateway.

Updating

The system automatically runs the latest firmware on the wireless gateway 90 40. Furthermore, the gateway ensures that these updates are wirelessly transferred to the door components.

Note: The functions available depend on the system context in which the product is used. Further details and ordering information can be found in the relevant dormakaba catalogs or system descriptions.

Any questions? We would be happy to advise you.

Contact us on: +41 44 818 90 11