dormakaba wireless gateway 90 40

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.

Flexible Integration
The easy setup of the wireless gateway enables fast and easy integraton 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.

Easy handling
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.

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

*Depending on the access solution applied

Your benefits at a glance

Convenient programming from your desk
Door and status information are displayed automatically

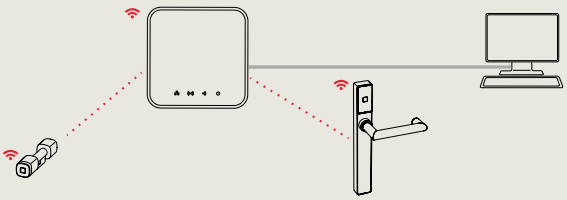
Easy installation
Thanks to PoE (Power over Ethernet), the gateway does not need an additional power supply

Elegant design
The premium and discrete design blends in harmoniously with the existing building structure

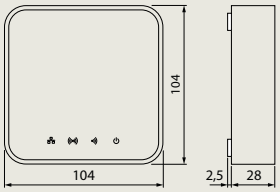
Expandable
The range between gateway and door components can be expanded using wireless extenders

High Security
Radio communication using AES encryption

Performance characteristics



The dormakaba wireless gateway 90 40 communicates with the access components by radio frequency and is connected to the access control system through an ethernet cable.



Dimensions of the wireless gateway 90 40 (in mm).

Main wireless function
- 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

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

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.

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.

Technical Features

Dimensions/Design
- 104 x 104 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: +8dBm
- Receiver sensitivity: –102 dBm @ 1 % PER

Power Supply
- PoE (Power over Ethernet) IEEE.802.3af
- 5 VDC, ≥800 mA,
- barrel jack 5.5 mm/2.1 mm
- Power consumption: Type. 1.2 W, max. 2.5 W

Environmental Conditions
- Operating temperature: –10 °C to +70 °C
- Protection type: IP40
- Humidity: 5 % to 95 %, non-condensing

Certificates/Standards
- EN 300 328, EN 301 489-1
- EN 55022, EN 55024
- IEC 60950-1
- FCC CFR47 Parts 15(b),15(c)
- IC RSS-210 and IC RSS-GEN

Any questions? We would be happy to answer any questions you may have.

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