dormakaba

dormakaba access manager
92 90

Mobile Access   CardLink

Advantages at a glance

- **Central access control**
  for multiple access points and complex tasks

- **Robust wall or rack housing,** unambiguous connection concept

- **Developed for present on-premise** access solution as well as future OnDemand (IoT) solutions

- **Access via smartphone**
  Mobile Access is integrated as a basic component

- **Migration solutions**
  Compatibility with predecessor products offers flexible step-by-step migration options

- **High security**
  Installation of access manager in secure interior. TLS encryption between access manager and host system can be activated

- **Latest security standards**
  The latest security standards are supported by IEEE and IPV6

Efficiently regulated access

The dormakaba access manager 92 90 meets all the requirements of modern access control as a central access control. Thanks to its intelligent decision logic and free parametrisation, it controls all access events, at simple access points as well as to complex, highly sensitive company areas. Predefined configurations simplify the setting of individual door functions. The state-of-the-art IT security is based on a modern operating system and TLS (Transport Layer Security) encryption that can be activated between controller and host system: The control electronics integrates all the necessary requirements to enable a connection to Cloud Services via IoT.

Therefore, the access manager 92 90 is already designed for the requirements of tomorrow. Switching to other dormakaba access solutions at a later point is also possible.

Installation and commissioning

The dormakaba access manager 92 90 is installed in a secured area to prevent tampering and manipulations. An alarm is automatically triggered on every attempt of manipulation. The dormakaba access manager 92 90 is suitable for migration in existing infrastructures where a central wiring of the access solution already exists. There, the 92 90 can be simply commissioned and configured via the web interface.

The functionality

Thanks to the local decision logic, the access manager 92 90 facilitates the complete access management to control and monitor doors and personal interlocks. Up to 16 readers can be connected to the access manager 92 90 via the RS-485 sub-bus.

Factsheet

Compatibility

The dormakaba access manager 92 90 is compatible with earlier product series and enables the upgrade of existing dormakaba systems. The access manager's range of functions can be expanded while operation is ongoing.

Data security

The automatic restart of the access manager ensures that the access system is immediately available again after a power failure. Data in the local data memory is buffered and can be accessed by the host system following a disruption. Data traffic between the access manager and host system is encrypted and offers the highest level of data security.

Door management

The dormakaba access manager 92 90 manages, controls and monitors up to 16 doors.

Peripherals

The dormakaba access manager 92 90 is installed with the following dormakaba readers:

- dormakaba compact reader 91 04/91 10/91 12
- dormakaba remote reader 91 15/91 25
- dormakaba biometric reader 91 50
- dormakaba 96 00 function type 91 20

An RS-232 interface provides the option of integrating additional external readers.

Inputs/outputs

18 digital inputs and 16 potential-free relay outputs for door contacts, electric strikes and alarm devices. The power supply lines are monitored for short circuit and break.

Alarms

Tampering attempts or break-ins are identified and signalled immediately. Malfunctions are reported to the host system at once.

Options

The CardLink/AoC functionality integrates standalone components into an access control system. Special functions, e.g. for lift control, random rejection or the integration in intruder detection systems, are possible.

Interfaces

Ethernet host interface 10/100 Mbps with DHCP/DNS server functionality for easy installation of the device. RS-485 bus interface for connection of remote and compact readers.

Note: The product's range of available functions and quantity structure depends on the system context in which it is used.

Technical specification

Power supply

Input voltage
- 230 V AC 50 Hz max. 150 VA
- 115V AC 60 Hz max. 150 VA
- 24 V DC max. 100 W

Output voltage
- 2 x 24 V DC max. 40 W
- 1 x 12 V AC max. 20 VA

Interfaces
- Host: Ethernet 10/100 Mbit/s
- Peripherals: 2x RS-485/RS-422

Inputs/outputs
- 16 potential-free relays, 30 V AC/48 V DC; max. 1 A
- 18 galvanically isolated digital Inputs

Environment
- Temperature range: 0°C to +40°C
- Relative humidity: 5% to 85%, non-condensing
- Class of protection as per BS EN 60529: IP20

Dimensions (Width x Height x Depth)
- Wall 302 x 400 x 125 mm
- Wall XL 302 x 400 x 225 mm
- Rack 482 x 88.4 x 430 mm (2HE)

Weight
- Wall 9,58 kg
- Wall XL 11 kg
- Rack 9.6 kg

Further details and order information can be found in the relevant dormakaba catalogues or system descriptions.

Subject to change without notice.
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Our Sustainability Commitment

dormakaba is committed to foster a sustainable development along our entire value chain.

In order to give quantified disclosures of a product's environmental impact and its ecological footprint, dormakaba provides Environmental Product Declarations (EPDs). Please download the EPD and read more about our sustainability commitment here or use the QR code provided.

Any questions? We will be happy to assist you.

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System overview

Readers

Functional type	exos	ERP / B-COMM	MATRIX PRO	MATRIX ONE
Total number of readers	15	16	15	15

Interfaces

Functional type	exos	ERP / B-COMM	MATRIX PRO	MATRIX ONE
Ethernet 10/100 Mbps with DNS/DHCP server	√	√	√	√
RS-485 Bus	√	√	√	√
RS-232 for peripheral components	1	1	1	1
Tamper switch for floating contact (5 V DC)	√	√	√	√

Capacacity

Functional type	exos	ERP / B-COMM	MATRIX PRO	MATRIX ONE
Card holders	200,000	120,000	50,000	2,000
Event logs	20,000	60,000	300,000	300,000

Functions

Functional type	exos	ERP / B-COMM	MATRIX PRO	MATRIX ONE
AoC (Access on Card)	–	–	√	√
CardLink	√	√	–	–
Data encryption (Host communication)	√	√	√	√
AVISO	–	√	–	–
TM-Basic	–	–	√	√

Certifications

Functional type	exos	ERP / B-COMM	MATRIX PRO	MATRIX ONE
UL 294 approval	√	√	√	√
CE	√	√	√	√
FCC	√	√	√	√
UL 60950	√	√	√	√
ROHS	√	√	√	√