

Subterminal B-Net® 91 05 – for access control



As a subterminal, the B-Net 91 05 is equipped with an RFID reader and connected to a control unit, for example an access manager or terminal from the B-Net series. This control unit is installed in the secured area; the information of the RFID medium read at the B-Net 91 05 is checked, interpreted and evaluated. Based on the decision of the control unit, the barrier or door is then opened or, if the employee is not authorized, the LED luminous ring will change from green to red emitting a short signal tone, thus signaling that access is prohibited.

The B-Net 91 05 is equipped with a relay and digital inputs that can be used, for example, for monitoring a door (door frame contact / door opener).

Through the use of the Legic advanced -RFID technology, not only Legic data carriers but also unique numbers of media are read.

The writing of data to the Legic medium is also new, for instance for the transport of access rights with non-networked door components in an access control system. Its compact size allows the B-Net 91 05 to be installed in a plastic housing outdoors without any further measures, although it can also be mounted in a standard flush-mounting box.

In access control mode, up to 50 badge authorizations can be stored for rooms of low security requirements or on barriers in parking lots not intended for integration into an access control. To this end, the B-Net 91 05 is equipped with a PIN keypad.

Product advantages

- Online recording component
- Optimized for access management
- Multifunctional support for RFID standards
- Colored and acoustic signaling of the authorized/unauthorized status
- Intuitive operation
- Illuminated keypad for entering a PIN
- Small size for installation in standard flush-mounting boxes
- Installation also possible under difficult environmental conditions outdoors
- Door monitoring functions
- Online mode for securing rooms and parking lots that are not integrated into the on-line access control.
- Investment protection due to compatibility with already installed Kaba terminal series

Made in Germany
developed and produced
in Germany

Product features

- Equipped with the RFID system Legic advant, alternatively Mifare, as a standard feature
- Reading of unique identifying (UID)
- Online mode when connected to a control unit
- Stand-alone mode without control unit with parameterization of 5 customer numbers
- Access control operation with stand-alone verification of customer and badge numbers of 50 authorizations
- Relay for door opening
- Tamper output
- Freely assignable digital inputs, for example for door monitoring
- Data retention in case of power failure
- Mounting in standard 55-series flush-mounting boxes
- Ideal for installations outdoors
- Standard colors are anthracite and gray-aluminum

Technical equipment and configurable variations

Operation

- Integrated LED luminous ring green/red with buzzer
- PIN keypad

Reading method

- Legic prime, advant

Communication

- RS 485 interface galvanically isolated,
- 2 digital inputs
- 1 no potential relay output, contact load 30 V AC/DC, max. 2 A

Power supply

- Rated voltage 24 V AC/DC, 12 V DC
- Power consumption max. 150 mA at 24 V
- Data retention in case of power failure

Environment

- Ambient temperature -25°C to +55°C
- Relative humidity 10% to 95%, non-condensing
- Protection mode IP 54

Housing

Glass-fiber-reinforced plastic housing

Dimensions

- Width 83 mm
- Height 83 mm
- Depth 51 mm

Weight

- 0.35 kg

Accessories

- Mounting on indoor stand
- Distance frame for surface mounting

Detailed dimensional drawings are available for downloading on our homepage.



Certification according to DIN EN ISO 9001



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