dormakaba MATRIX Interface For IDS App

MATRIX interface for IDS
(intruder detection system)

dormakaba MATRIX Interface For IDS App User Guide

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(intruder detection system)

Advantages at a glance

- Greater security and transparency
- IDS and access control can be operated with a single system
- Interface to various IDS possible
- Access control is deactivated when IDS is enabled

Additional intrusion detection systems (IDS) installed in buildings offer extended object and personal protection. The notification function significantly increases the risk of an intruder being detected in the act. Services providing assistance (police, security services, etc.) can also be notified via these systems.

For the connection of intruder detection systems, MATRIX provides an attractive dialog interface as well as extensive function connections for everything from simple to VdS-compliant applications with increased requirements.

IDS can either be connected via contacts or via a standardised interface, the Open Intrusion Interface (OII)

- User-friendly IDS with OII
- User-friendly IDS with OII (VdS-compliant)

Easy-to-understand dialogs guide users through the configuration of the terminals for arming/disarming, possible configuration locks and sabotage monitoring/contacts to be configured. Safety areas can also be defined and managed. Time responses of the respective IDS can be adjusted individually.

All terminals and readers used for the function are clearly displayed with their functional context in an overview table.

It is also possible to forward a signal to up to five outputs of the MATRIX system.

As part of a VdS-compliant connection, additional configuration locks can be obtained for terminals and the reaction in case of sabotage can be defined.

Specifications:

- **Software:** MATRIX interface for IDS
- **Compatibility:** Windows computer
- **Database:** H2 databases and SQL Server Express included
- **Additional Database:** SQL server or Oracle (purchased and installed by the customer)

Product Usage Instructions

1. **Dialog Interface for IDS Connection:**
   The MATRIX interface allows for easy connection of IDS systems, providing options for enabling/disabling the intruder detection system.
2. **Function Connections:**
   Extensive function connections are available for simple to VdS-compliant applications. Users can configure terminals for arming/disarming, set configuration locks, and manage sabotage monitoring/contacts.
3. **Safety Areas Management:**
   Define and manage safety areas within the system. Adjust time responses of IDS as needed.
4. **Output Signal Forwarding:**
   Matrix system can forward signals to up to five outputs, enhancing system notifications.
5. **VdS-Compliant Configuration:**
   For VdS-compliant connections, obtain additional configuration locks for terminals and define reactions in case of sabotage. This includes at least two arming ranges and specific reader lock behavior.

FAQ

1. **Q: What are the technical requirements for installing the MATRIX software?**
   A: The software is compatible with any up-to-date Windows computer. It includes H2 databases and SQL

Server Express. Additional SQL server or Oracle installation is required and purchased separately.

2. **Q: Can the IDS system be connected to external notification services?**

   A: Yes, IDS systems can notify external services such as police or security agencies for enhanced security measures.
3. **Q: How many outputs can the MATRIX system forward signals to?**

   A: The system can forward signals to up to five outputs for comprehensive notifications

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- (IDS) installed in buildings offer extended object and personal protection. The notification function significantly increases the risk of an intruder being detected in the act. Services providing assistance (police, security services, etc.) can also be notified via these systems.
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  Factsheet
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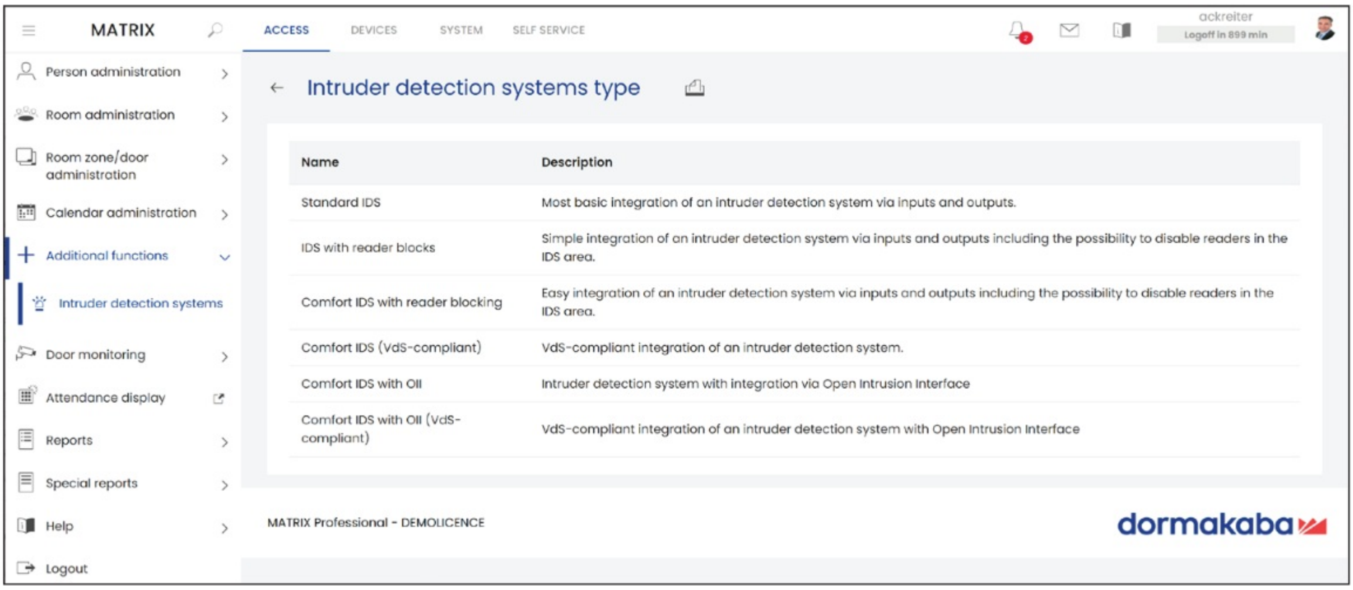
  - User-friendly IDS with OII

  - User-friendly IDS with OII (VdS-compliant)
- Easy-to-understand dialogs guide users through the configuration of the terminals for arming/disarming, possible configuration locks and sabotage monitoring/contacts to be configured.
- Safety areas can also be defined and managed. Time responses of the respective IDS can be adjusted individually.
- All terminals and readers used for the function are clearly displayed with their functional context in an overview table.
- It is also possible to forward a signal to up to five outputs of the MATRIX system.
- As part of a VdS-compliant connection, additional configuration locks can be obtained for terminals and the reaction in case of sabotage can be defined.



Intruder detection systems type

Name	Description
Standard IDS	Most basic integration of an intruder detection system via inputs and outputs.
IDS with reader blocks	Simple integration of an intruder detection system via inputs and outputs including the possibility to disable readers in the IDS area.
Comfort IDS with reader blocking	Easy integration of an intruder detection system via inputs and outputs including the possibility to disable readers in the IDS area.
Comfort IDS (VdS-compliant)	VdS-compliant integration of an intruder detection system.
Comfort IDS with OII	Intruder detection system with integration via Open Intrusion Interface
Comfort IDS with OII (VdS-compliant)	VdS-compliant integration of an intruder detection system with Open Intrusion Interface

MATRIX Professional - DEMOLICENCE

- Dialog with option of IDS connection
- **IDS standard**
  - Inputs and outputs, and a reader, for enabling/disabling the intruder detection system.
- **IDS with reader locks**
  - Connection of an intruder detection system via inputs and outputs and a reader for the enabling/disabling with the additional option of reader deactivation in the IDS area.
- **User-friendly IDS with reader locks**
  - **The following options are also available**: An area can be armed/disarmed via several readers or armed and disarmed by one reader. A terminal can manage up to four security areas. Configurable display with reader lock for the reader Configuration lock for the terminal: When an IDS is enabled, changes to the terminal configuration are not allowed. The terminal will not accept commands as long as the IDS is enabled. Configurable IDS enable time.
  - This is the time that is allowed to pass between the command to enable the IDS and the response from the IDS that it is ready to be enabled.
- **Sabotage monitoring**
  - For arming. None of the sabotage contacts monitored by the terminal should report a sabotage. This also applies to the sabotage contacts of all readers connected to the terminal.
- **VdS-compliant IDS**
  - **In addition to the requirements for the user-friendly IDS**: At least two arming ranges.

  - Configuration lock is always active if the IDS is enabled. The reader lock is not displayed by the reader's LED.
  - The allocation of rights to arm/disarm an intruder detection system is based on the access authorisations and can be allocated for the activation reader on the intruder detection system as well as for every other reader in the access system.

Technical specifications

- The MATRIX software can be installed on any up-to-date Windows computer. The scope of delivery includes the H2 databases and SQL Server Express.
- An SQL server or Oracle is purchased and installed by the customer.
- Further details can be found in the system requirements.

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Any questions? We will be happy to assist you.

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Documents / Resources

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References

- [dormakaba USA \| For every place that matters]()
- [User Manual]()