

## Door controller module for MB



### AC control in intrusion detection systems

The AC Door Module BUS-2 makes effective access control possible in conjunction with an intrusion detection control unit with BUS-2 technology.

This module allows rooms within a secure zone to be equipped with an access control function in cases where an arming/disarming facility is not required.

Allocation to room/time zones and protocols for locking times and keys numbers are possible with this system.

Application-related data (e.g. key numbers, time-bound access rights, etc.) can be set via the control panel programming software (WINFEMAdvanced).

Code carriers, time zones and rights are managed in the control panel.

### Overview of functions:

- **Access control**

A door that has been locked by a door opener can be released via the operating unit and/or a switch. The access control function is only active when the IDS is in the **disarmed state**. The module is designed for 1 door.

- **Hold-up alarm**

Entering a hold-up code via the keypad on the operating unit triggers a hold-up alarm.

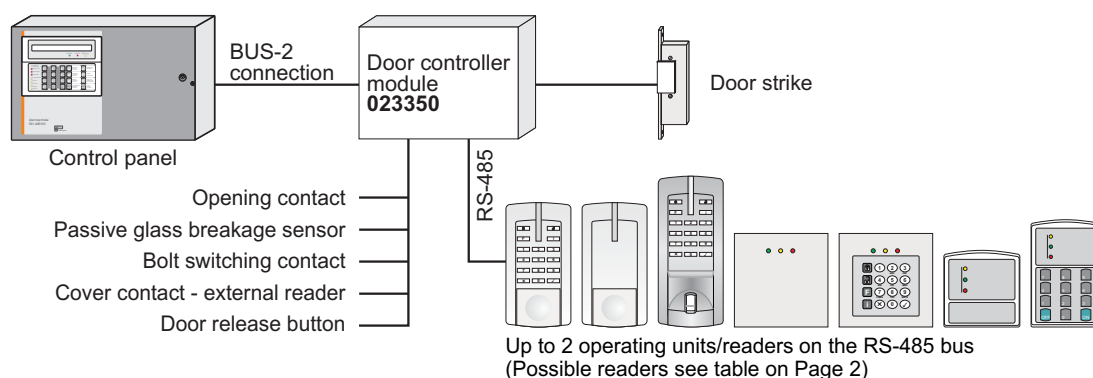
- **Control functions**

Up to 100 control and switching functions can be accessed via the operating unit keypad. Function allocation takes place in the macro programming in the control panel.

### Features

- Access control function with working current and no-load current door strikes
- RS-485 reader interface with a range of up to 1200 m
- Connection of up to 2 operating units/readers (inside/outside)
- Operating units/readers with IK3/proX2, IK2/proX1, mifare and LEGIC technology are supported (for more details, refer to the table on page 2)
- Variable code procedure in accordance with VdS 2119 is supported in conjunction with IK3 operating units, IK3 Fingerkey readers and proX2 readers for Siedle Vario
- Threat alert via hold-up code
- Up to 100 control functions (macros) can be defined
- Management of access control functions and granting occupancy rights in time zones
- Various connections for door monitoring:
  - Bolt switch contact
  - Opening contact
  - Passive glass breakage sensor (with clear function)
- VdS Class C approval is pending





### System design



## Possible operating units/readers

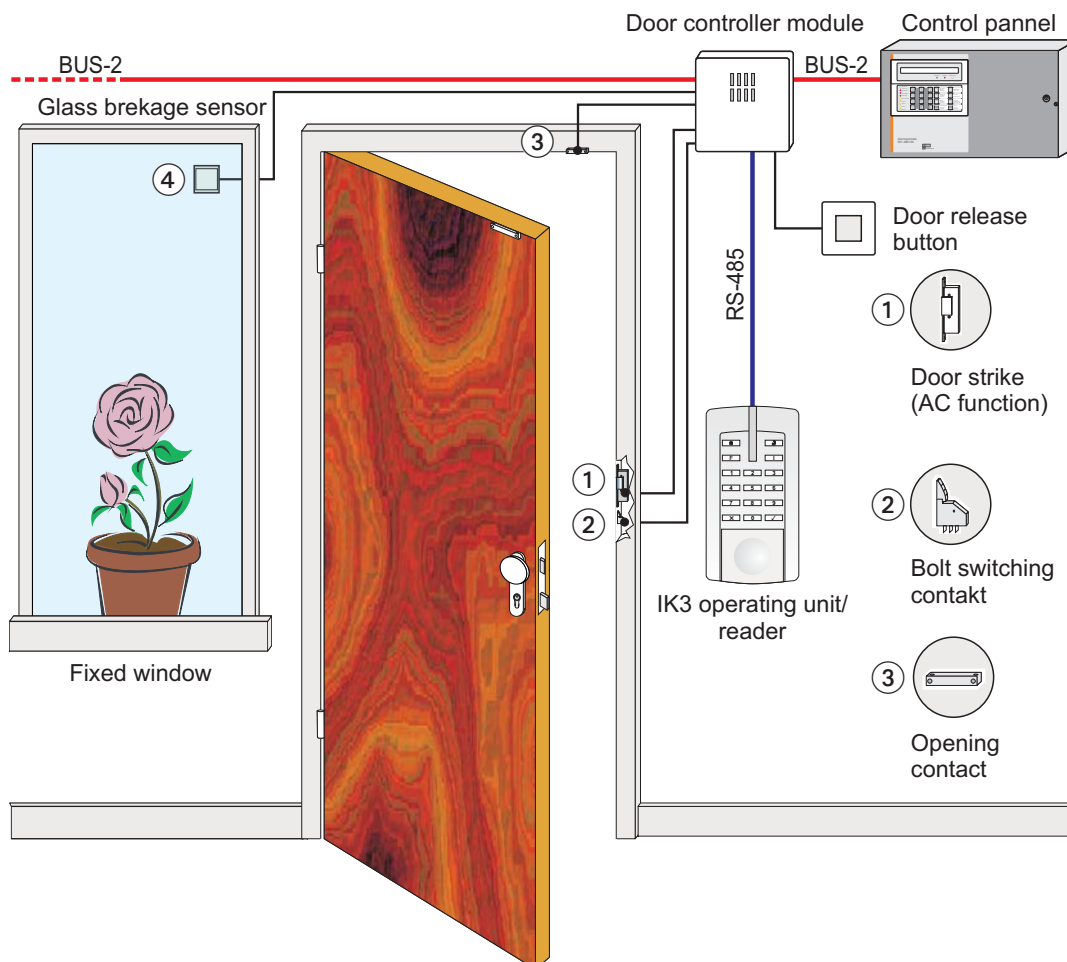
Up to 2 operating units/readers (any mixture of types is possible) can be operated via the RS-485 bus.

IK3 operating units, the IK3 Fingerkey reader and proX2 reader for Siedle Vario support the variable code procedure in accordance with VdS 2119. Pre-coded data carriers supplied by Honeywell are required if the variable code procedure is to be used.

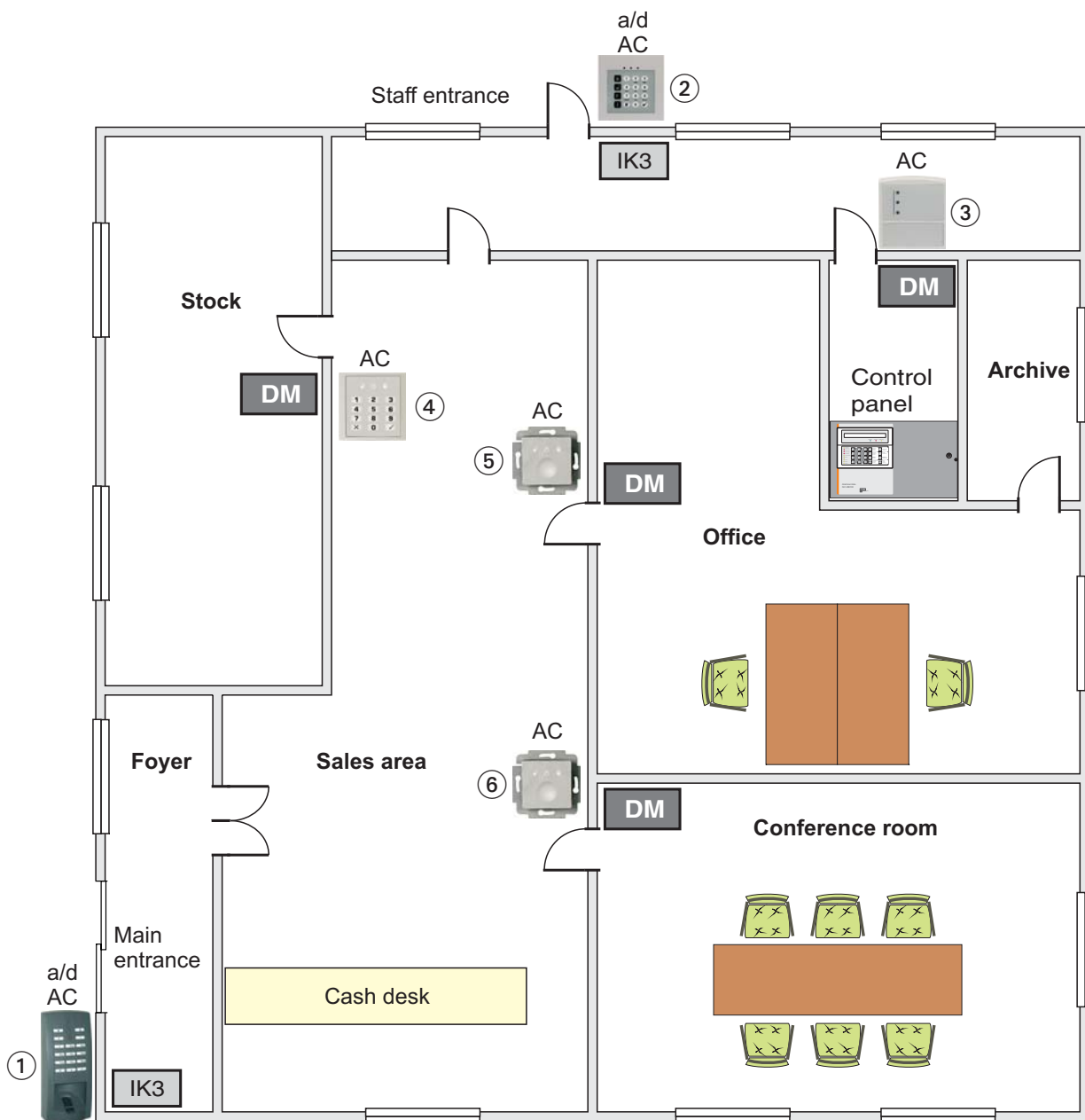
	Type Operating unit / Reader	Item no.		VdS *
		with keypad	without keypad	
 <p>IK3/Accentic      Fingerkey</p>	IK3-Operating unit	023320	023322	Cl. C
	mifare-Reader "Accentric"	026423	026422	Cl. C
	LEGIC advant-Reader "Accentric"	026425	026424	
	IK3-Fingerkey-Reader "Accentric"	029340	---	Cl. C
	mifare-Fingerkey-Reader "Accentric"	029341	---	Cl. C
 <p>Siedle Vario      Insertic      Insertic 50</p>	proX2-Reader for Siedle Vario	023340-43	023330-33	Cl. C
	"Insertic" proX1 / mifare / LEGIC	027669/73/77	027668/72/76	
	"Insertic-50" proX1 / mifare / LEGIC	---	027661/63/65	
 <p>Classic      Classic (big)      Range 25 cm</p>	AC Reader proX1 "Classic"	026481	026390.10	
	AC Reader proX1 "Classic" (big)	---	026480.10	
	AC Reader proX1 (range 25 cm)	---	026366.10	
	AC Reader mifare / LEGIC "Classic"	026493/91	026494/92	
	proX1 Reader with Scramble keypad	026445/45.10	---	
 <p>Red (026445)      Stainless (026445.10)</p>				

\* VdS Class C for IDS and ACS

## Planning example



## Application example



### Legend

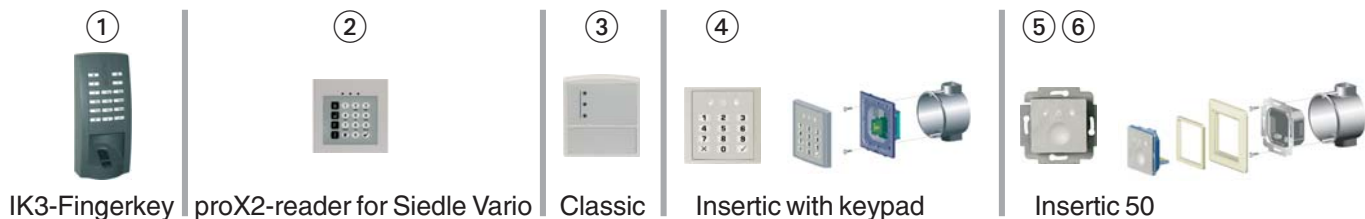
**IK3** IK3 Evaluations unit BUS-2

**DM** Door controller module for MB

a/d = arm/disarm

AC = Access control function

### Readers in this example:



Other possible readers see table on page 2.

## Technical Data

<b>Rated operating voltage</b>	12 V DC
<b>Operating voltage range</b>	9 V to 15 V DC
<b>Operating voltage for operating units (output)</b>	12 V DC, short circuit-proof, current-limited at 200 mA max.
<b>Current consumption:</b>	
- Module no-load current	< 15 mA (maximum value)
- GBS terminated with 12k1	+ 1 mA
- Relay	+ 17 mA
- Buzzer	+ 3 mA
- Module, plus all inputs terminated plus 1 IK3 operating unit	Type 25 mA
<b>Detector group inputs:</b>	
- Release contact	3.3 V DC DG, monitored at 12k1±40%
- Glass breakage sensor	12 V DC DG, monitored at 12k1±30% (with clear function)
- Bolt switching contact	12 V DC DG, active LOW
- Cover contact - external reader	3.3 V DC DG, monitored at 12k1±40%
<b>Contact rating of relays</b>	max. 2 A, 30 V AC/DC, 30 VA
<b>Interface to IK3 OU, AC LEGIC/mifare</b>	RS-485
<b>Protection category as per DIN 40 050</b>	IP30
<b>Environmental class as per VdS</b>	II
<b>Operating temperature range</b>	-5 °C to +55 °C
<b>Housing dimensions (W x H x D)</b>	118 x 118 x 31 mm
<b>Color</b>	Grey white (similar to RAL 9002)

## Ordering informations



Item no.	Designation
023350	Door controller module for MB

### Accessories

Item no.	Designation
050067	Housing sleeve
050066	Distributor housing, f.m.