Honeywell

Doorguard

Monitoring of Emergency Exit Doors

The comprehensive solution for all applications

The permanent protection of buildings against entry by unauthorized persons as well as the uncontrolled exit of a zone are basically contrary to the legal requirements that demand that it must also be possible to exit a building without hindrance in the event of an emergency.

The Doorguard that is now available on the market is a product that not only fulfils both these requirements but also has an attractive design and is flexible in use. The units enable simultaneous control and monitoring of the opening of emergency exit doors.

The Doorguard is available in two different versions with varying connection technology:

- Doorguard for MB panels BUS-2
- Doorguard hardwired version

The Doorguard for MB panels BUS-2 is suitable for integrating into BUS-2 networks with connection to an intruder alarm control panel.

The Doorguard hardwired version is intended for self-sufficient applications solely for monitoring emergency exit doors without connection to an IACP.

The units can be easily installed on site. The operating unit and alarm signalling device can be installed either separately or as a combined unit to meet the specific requirements of the building or application.

The door contacts (release contacts) at the doors that require monitoring trigger the alarm. In the event of unauthorized opening of the emergency exit door, an acoustical and optical signal is emitted on site.

Authorized opening

If the emergency exit door requires opening by an authorized person, the monitoring of this door can be deactivated by releasing. This enables authorized persons to enter the building through the door once or several times depending on the programming without triggering a signal.

The release of the emergency exit door is indicated at the operating unit via the green LED “Operating state”. Release is possible directly at the unit via the half cylinder and/or the reader (for IK2 / IK3 ID data carriers) that is integrated in the Doorguard for MB panels BUS-2.

Common performance features - Doorguard

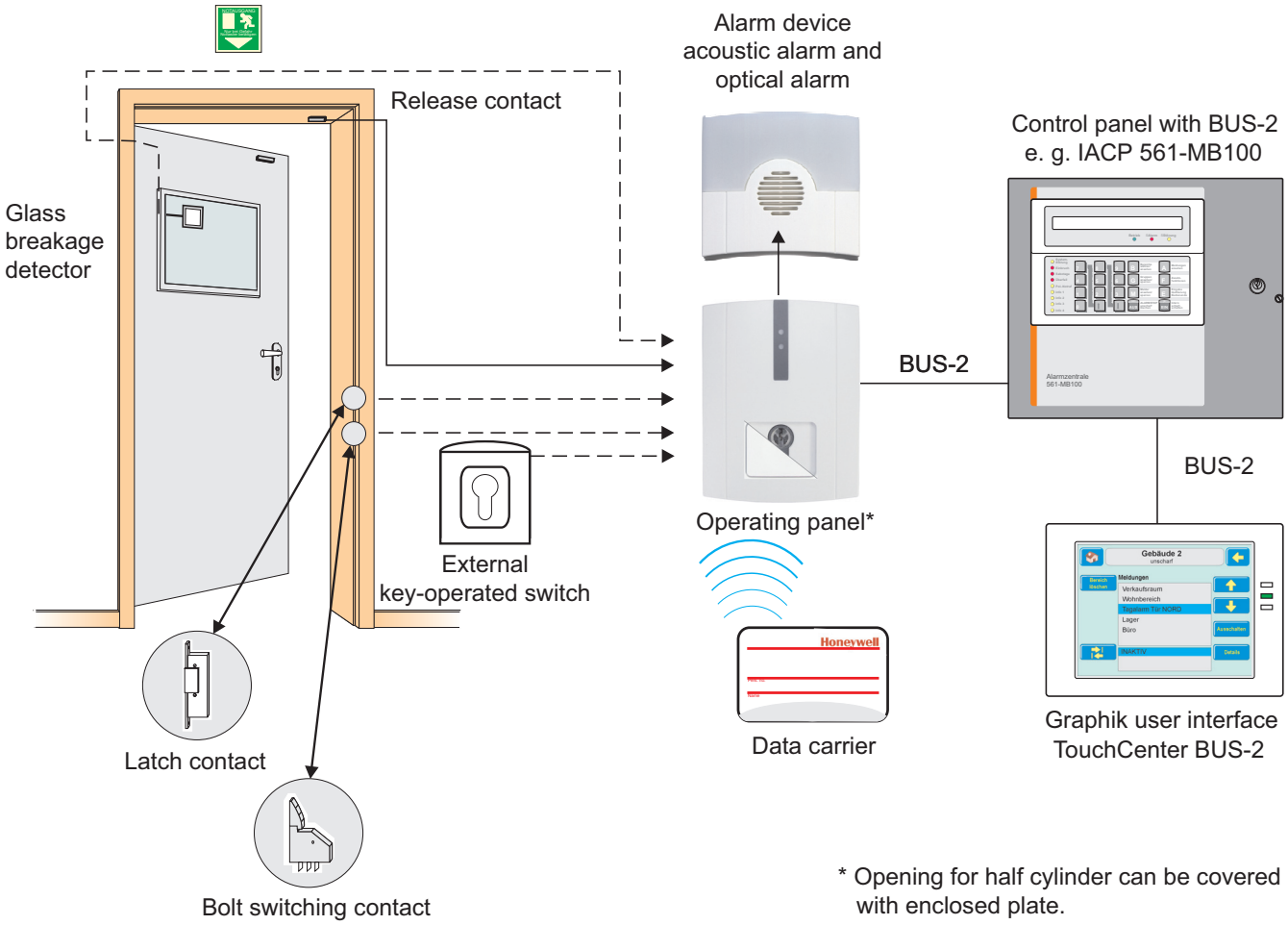
- **Monitoring of opening of emergency door exits**
- **Indication of operating state via LED**
- **Indication of triggering and “Door open” state**
- **Input for release contact (door contact)**
- **Input for tamper switch**
- **Installation possibility of a half cylinder as per DIN 18252**
- **Alarm signalling device for remote mounting - separate from the operating unit (e.g. above the door)**
- **Optical alarm signalling device with high-performance LEDs**
- **Acoustical alarm signalling device with piezo-electronic alarm device**
- **Resonance-optimized housing for extremely loud radiation of alarm tone on all sides**
- **Cover and tear-off monitoring of alarm signalling device and operating unit**
- **External operating input for remote operating module (key-operated switch)**

Doorguard for MB panels BUS-2

The Doorguard for MB panels BUS-2 communicates with the corresponding intruder alarm control panel (561-MB24/48/100) via the BUS-2. Programming of system data and projects as well as management of authorization data for entering the door is carried out via the programming software “WINFEM Advanced” of the intruder alarm control panel. Voltage for the Doorguard for MB panels BUS-2 is supplied via the BUS-2 connection, thus providing an optimum integration solution.

All functions and connections that are required for monitoring emergency exit doors are contained in this unit. All messages are transmitted via the BUS-2 to the intruder alarm control panel. Release is possible directly at the Doorguard for MB panels BUS-2 via the half cylinder and/or the integrated reader (for IK2 / IK3 ID data carrier). Remote release (activation (inactivation) is possible via every operating keypad with disabling function and display unit that is connected to the BUS-2 and via the operating function “Disable detector groups” or a graphic user interface.

The total number of Doorguard for MB panels BUS-2 units that can be used depends on the possible number of switching devices of the IACP that is being used. Remote release via the software program package IQ MultiAccess/ IQ SystemControl is also possible.



* Opening for half cylinder can be covered with enclosed plate.

Performance features

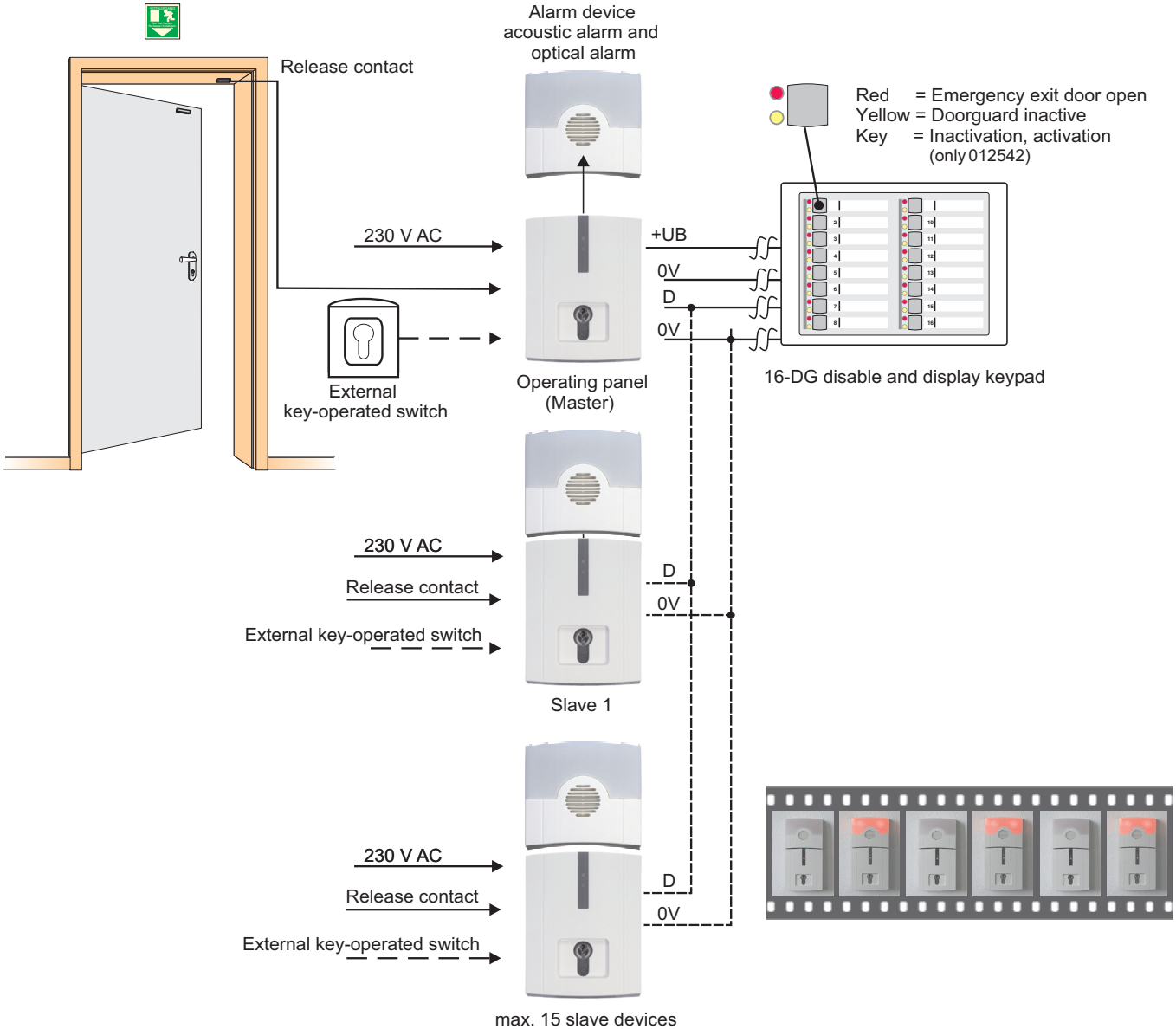
- **Input for release contact (e. g. door monitoring via latch contact)**
- **Input with clearing function for self-storing sensors**
- **Integrated reader for IK2 / IK3 ID data carriers**
- **Operation possible via half cylinder and/or integrated reader (IK2/IK3) or the operating units of the IACP**
- **Operation at BUS-2 of the 561 MB-24/48/100 intruder alarm control panel series**
- **Programming as integrated BUS user with WINFEM Advanced**
- **Integration into the room/time zone concept of the intruder alarm control panel**
- **Use of operating modules via the BUS-2 of the intruder control alarm panel as**
  - **Operating and display keypad (e. g. Item no. 012542 or Item no. 012577) for inactivating or activating or**
  - **16-DG display module (e. g. Item no. 012548)**

Doorguard hardwired version

This system unit combines all the functions that enable the self-sufficient monitoring of emergency exit doors.

Contrary to the BUS-2 device, max. 16 Doorguard hard-wired versions units can be connected via a proprietary Bus system. A 16-DG disable and display keypad (Item no. 012542) or a 16-DG display module (Item no. 012548) can be used for remote individual indication of the networked system units as a remote indicating panel (Master/slave operation).

The modules have an optical indicator (2 LEDs) for every connected Doorguard as well as a key (only Item no. 012542) for remote release (inactivation/activation). An acoustical signal (collective alarm) is also emitted when the emergency exit door is opened by an unauthorized person.



Performance features

- **Integrated energy-saving power supply unit for 230 V AC with low power consumption**
- **Operation possible per half cylinder and/or 16-DG disable and display keypad**
- **Stand-alone solution for an emergency exit door**
- **Master/Slave operation for the networking of max. 16 Doorguard hardwired version systems with:**
  - **A 16-DG disable and display keypad (Item no. 012542) as an operating and display keypad**
  - **Or a 16-DG display module (Item no. 012548) as a display for status indication**

Technical Data

	Item no. 041450	Item no. 041460
Technical data - operating unit		
Mains voltage		230 V AC
Frequency		50 Hz
Power consumption standby		2,1 VA
Rated operating voltage	12 V DC	
Operating temperature range	10 V DC tp 15 V DC	
Current consumption	≤ 15 mA	
Transponder reader technology	proX1/IK2, proX2/IK3 (without alternating code)	
Transponder reading distance	max. 3 cm	
Half cylinder as per DIN 18252	Dimension A= 30 mm	Dimension A= 30 mm
Operating temperature range	-5 °C to +45 °C	-5 °C to +45 °C
Storage temperature range	-25 °C to +70 °C	-25 °C to +70 °C
Environmental Class as per VdS	II	II
Protection Class as per DIN 40 050	IP 40	IP40
Dimensions (W x H x D)	110 x 140 x 53 mm	110 x 140 x 53 mm
Housing colour	pure-white (similar to RAL 9010)	pure-white (similar to RAL 9010)

Technical Data - alarm device	
Operating temperature range	9 V DC to 15 V DC
Current consumption siren - int. tone	≤ 25 mA
- cont. tone	≤ 50 mA (only BUS-2 device)
Loudness level	approx. 100 dBA
Current consumption - flash lamp	≤ 25 mA
Flash lamp LED - flash interval	approx. 1,5 Hz
Operating temperature range	-5 °C to +45 °C
Storage temperature range	-25 °C to +70 °C
Environmental Class as per VdS	II
Protection Class as per DIN 40 050	IP 40
Dimensions (W x H x D)	110 x 103 x 53 mm
Housing colour	pure-white (similar to RAL 9010)

See product catalogue for further data.

Order data

Item no.	Descripton
041450	**Doorguard for MB panels BUS-2**
	System unit for monitoring emergency exit doors. With integrated IK2 / IK3 reader. BUS-2 connection.
	VdS -Approval: pending
	Without half cylinder
041460	**Doorguard hardwired version**
	System unit for monitoring emergency exit doors. Conventional connection technology.
	Without half cylinder
	Accessories
028032	**Half cylinder**

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