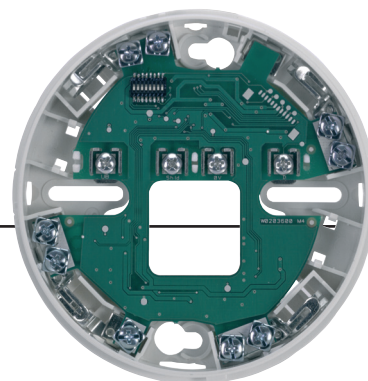# Smoke detector base BUS-2 / BUS-1

Intrusion detection technology

The newly developed smoke detector base enables fire detection in conjunction with an intrusion detector control unit suited for connecting devices via BUS-1 or BUS-2.

Such a system configuration is particularly suited for locations where despite no fire detection system being required by building laws the use of such technology to protect people and property is desirable. This might be the case in homes, professional offices or smaller commercial operations.

The importance of fire protection in the private sphere is shown by the following figures:

- 80% of all fires occur in private homes.
- 95% of all fire victims die of smoke inhalation in the smouldering phase of the fire.
- 70% of fires with fatal consequences occur at night when residents are sleeping.

The earlier residential fires are detected, the better they can be fought and the lower the risk to the persons involved. Fire alarms are indispensable for early fire detection.

The combination of a base and fire alarm detector head enables the equipment to be selected and used appropriately for the specific fire danger characteristics of the location.

High-performance fire alarms of the IQ8Quad series meet the latest technical requirements for early detection of fires. Each detector has a microprocessor for intelligent processing of signals and measurement values. This enables each fire detector to adapt automatically to any changes in environmental conditions, such as fouling or aging, without a change in the sensitivity of the detector. A number of alarm options which previously could only be implemented by the use of a fire detector control unit can now be included in the programming and alarm functions of the intrusion detector control unit.

Operational setup and programming of the system is simple using a PC or Laptop and WINFEM Advanced software for configuration.

Software requirements:

561-MB100* / HB24 / HB48* / MB24 / MB48
(1 and 2-RAM versions)   from V07.00 [1]

561-MB256 plus   from V02.06 [1]

561-MB100* / MB12 / HB24 / HB48* / MB24 / MB48
(2-RAM version)   from V10.00 [2]

Notes:

*Item no. of MB100 and HB48 with index .10

1) The BUS-2 / BUS-1 smoke detector base on BUS-1 is compatible with the detector group module; on BUS-2 it is compatible with the 5-input module.

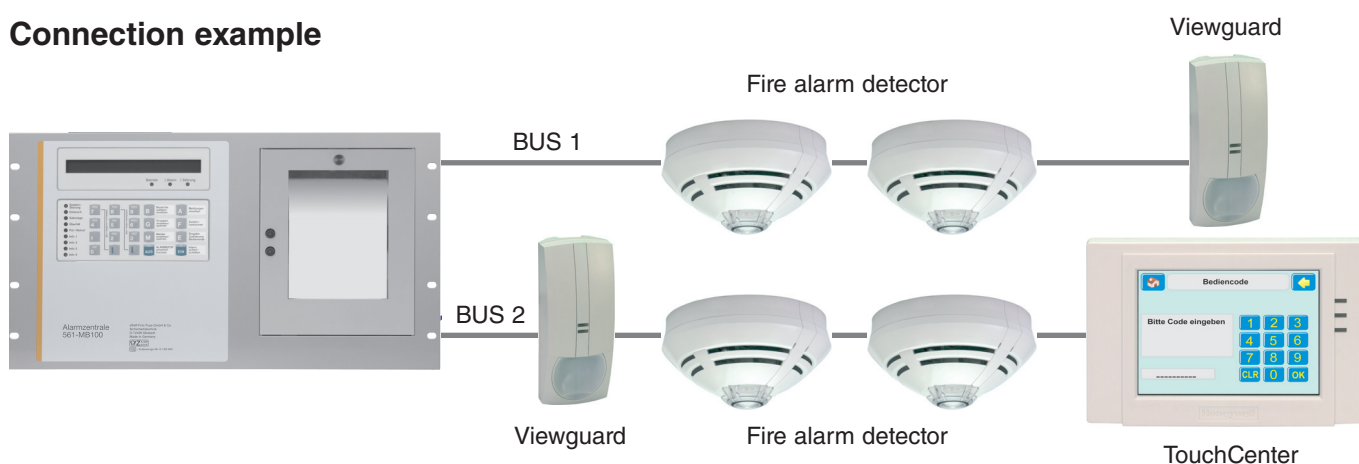2) The type of module (smoke detector base) will be automatically detected when programming.

Features

- **Connection to intrusion detector control units via BUS-2 or BUS-1 installations**
- **High security against false alarms due to state-of-the-art sensor electronics and microprocessors in each fire alarm detector**
- **Automatic self-monitoring of function and condition by fire alarm detector**
- **The smoke detector base is easy to install and practical in design**
- **Optimized stock management for the installer, since there is only one node for both bus systems**

- **Fire alarm detector program with variable use options**
- **Tamper monitoring for unauthorized detector removal**
- **Integrated measures against detector removal**
- **Attractive design; for mounting on different covers and components**
- **Cable entry possible through the side or the baseplate**
- **Simple set-up using the WINFEM Advanced programming software**

Technical specifications

Rated operating voltage	12 V DC
Operating voltage range	10 V to 15 V DC
Current consumption at the rated voltage	max. 4 mA
Operating temperature range	-10 °C to +70 °C
Storage temperature range	-25 °C to +70 °C
Environmental class acc. to VdS	II
Protection class acc. to DIN 40 050	IP 42 (with fire alarm detector)
Dimensions Ø x H	117 x 25 mm (117 x 62 mm with fire alarm detector)
Color	white (similar to RAL 9010)

Connection example

Viewguard

Fire alarm detector

BUS 1

BUS 2

Viewguard   Fire alarm detector

TouchCenter

ℹ️ A fire detection system according to VDE 0833 part 2, DIN 14675 or EN 54 doesn`t result by the connection of the smoke detector base.

Ordering information

Item no.	Description	VdS approval Technical detector (detector base + detector)
062090	Smoke detector base B U S - 2 / B U S - 1	
062092	IQ8Quad fixed heat detector	(G109020)
062093	IQ8Quad rate-of-rise heat detector	(G109021)
062094	IQ8Quad optical smoke detector	(G109022)
062095	IQ8Quad O2T multi-sensor detector	(G109023)
062096	IQ8Quad OTG multi-sensor detector (CO)	(G109024)

ℹ️ Detector testing equipment is available on request.

Honeywell