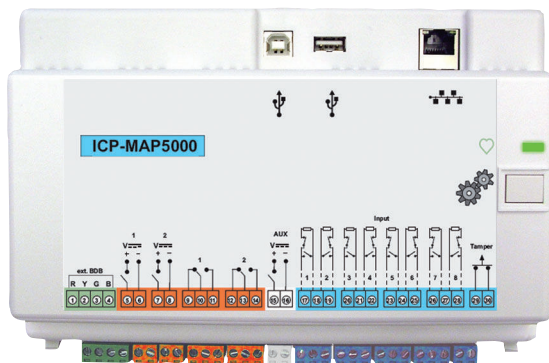


MAP 5000 Main Panel (ICP-MAP5000)

www.boschsecurity.com



- ▶ Up to 1500 addresses, 500 areas, and 1000 users
- ▶ Eight supervised inputs and one unsupervised tamper input
- ▶ Two programmable outputs for sirens, strobes, and other local notification devices; two programmable relay outputs; and one auxiliary output
- ▶ Two Bosch Data Bus (BDB) interfaces
- ▶ Ethernet port

Using a Bosch Data Bus (BDB) based on Controller Area Network (CAN) technology as the internal and external bus, the main panel supports a range of applications as part of the scalable Modular Alarm Platform 5000 system.

The main panel mounts on the MAP Hinged Mounting Plate (ICP-MAP0025) in the MAP Panel Enclosure Kit (ICP-MAP0110). This provides easy access to all wiring terminals and communication port connectors.

Functions

Scalable Range of Applications

The main panel supports up to 1500 addresses, 500 areas, and 1000 users. As part of a Modular Alarm Platform 5000 solution, the main panel connects to building management systems like Bosch Building Integration System (BIS) through internet protocol (IP).

Bosch Data Bus (BDB) based on CAN Technology

The main panel provides two data buses:

- **Internal BDB** – Limited to 6 m (19.5 ft) in total length, the internal BDB connects the main panel to other MAP devices.
- **External BDB** –Up to 1000 m (3280 ft) in total length, the external BDB allows command centers, LSN Gateways, and power supplies to be placed at the point of use, promoting greater efficiency.

Inputs and Outputs

The main panel supports one unsupervised tamper input and eight supervised inputs. It also supports one auxiliary output, two Form C dry-contact relay outputs, and two programmable outputs for local notification devices.

The auxiliary output and both power outputs are over-current protected. The outputs are designed to provide individual protection. As a result, if a short circuit occurs on one output, the fault does not adversely affect the operation of another output.

Firmware Upgrades

The firmware of all devices in the MAP system can be upgraded or updated with the Bosch Remote Programming Software (RPS). This allows for on-site or off-site (IP through Ethernet) upgrades or updates.

Languages

For each user, a preferred language (German, English, French, or Dutch) is selected when the user is created. When the user logs in, the preferred language is used at the command center.

Communication with Bosch Software Packages

The MAP system allows separate communication with Bosch BIS and RPS software packages.

- **Bosch Building Integration System (BIS)**

The MAP system can report alarm and trouble events, and share its user database with the Bosch Building Integration System (BIS) for full integration of the security system in the BIS application.

- **Bosch Remote Programming Software (RPS)**
Programming and diagnostic software for control panels that provides remote programming, record storage, remote control, and diagnostics options.

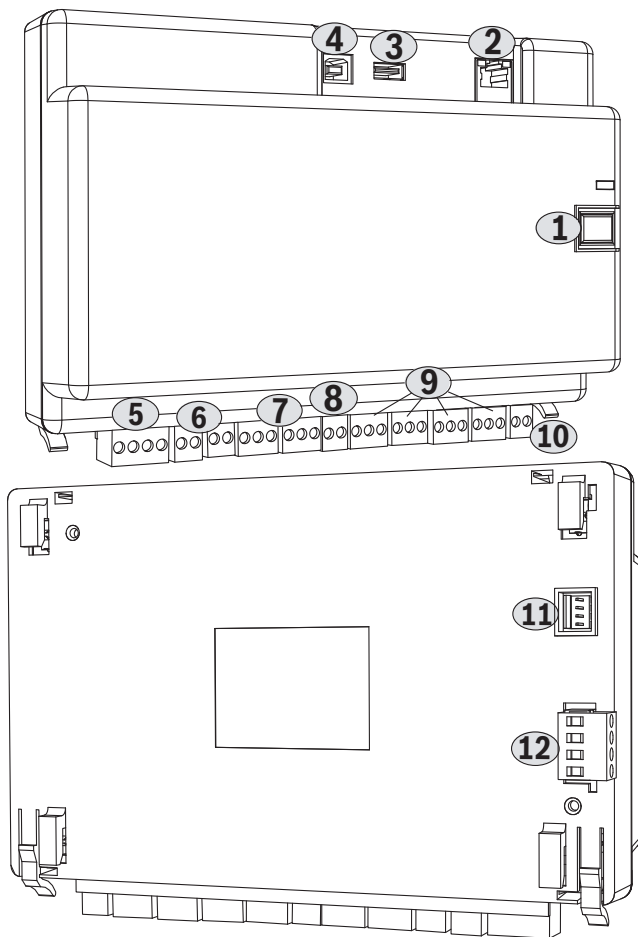
Certifications and Approvals

The main panel is designed to comply with the certifications and standards listed here.

Region	Certification	
Germany	VdS-G	111040
Region	Certification	
Europe	CE	2004/108/EC EMC Directive (EMC), 2006/95/EC Low-voltage Directive (LVD)

Installation/Configuration Notes

Terminals and Connectors



Front View of MAP 5000 Main Panel

1. Installer switch
2. Ethernet port
3. USB port – currently not enabled

4. USB host port – currently not enabled
5. External Bosch Data Bus (BDB) port
6. Two auxiliary switched voltage outputs
7. Two Form C dry-contact relay outputs
8. One auxiliary power output
9. Eight supervised inputs
10. Tamper switch input

Rear View of MAP 5000 Main Panel

11. Power Supply input connector
12. Internal Bosch Data Bus (BDB) port

Parts Included

Quant.	Component
1	MAP 5000 Main Panel (ICP-MAP5000)
1	Accessory pack <ul style="list-style-type: none"> • Eight 12.1 kΩ EOL resistors • Two 120 Ω CAN terminal EOL resistors • One main panel power cable • One 2-pin terminal plug (white) • One 2-pin terminal plug (dark blue) • Two 3-pin terminal plugs (orange) • Four 3-pin terminal plugs (dark blue) • One 4-pin terminal plug (green)
1	CD, RPS and Literature
1	Literature, User Guide
1	Literature, Release Notes
1	Literature, Approved Compliance

Technical Specifications

Electrical

Operating Voltage Range:	16 VDC to 29 VDC, 28 VDC nominal
Idle Current Draw:	250 mA
Alarm Current Draw:	500 mA
Outputs:	The control panel supports one auxiliary output, two power outputs, and two Form C dry-contact relay outputs rated at 1 A maximum. The auxiliary output and both power outputs are individually current limited within 1.3 A +/- 100 mA.

Mechanical

Dimensions (HxWxD):	146 mm x 216 mm x 55 mm (5.75 in. x 8.5 in. x 2.2 in.)
Weight:	450 g (1 lb)
Indicator:	Green LED for operating status

Environmental

Operating Temperature:	-10°C to +55°C (+14°F to +131°F)
Storage Temperature:	-20°C to +60°C (-4°F to +140°F)
Relative Humidity:	5% to 95% (non-condensing) at the operating and storage temperatures.
Protective System Compliant with IEC 60529:	IP 30
IEC 62262 Enclosure Protection:	IK04
Environmental Class II:	EN50130-5, VdS 2110
Use:	Intended for indoor use.

Ordering Information

MAP 5000 Main Panel

Provides wiring terminals for tamper and power supply inputs; eight supervised inputs; Form C relay and auxiliary power outputs; switched voltage outputs; two Bosch Data Bus ports, and an Ethernet port.
Order number **ICP-MAP5000**

Represented by:

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