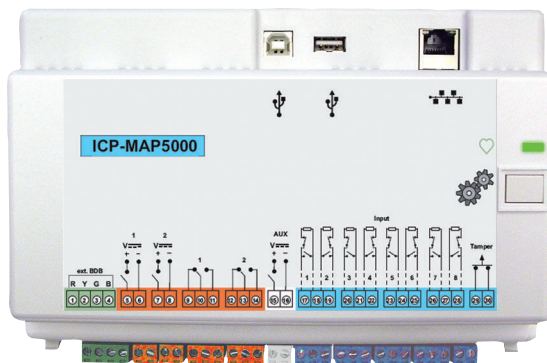


MAP 5000 Main Panel (ICP-MAP5000-2, ICP-MAP5000-COM)

www.boschsecurity.com



BOSCH
Invented for life



- ▶ Up to 1500 addresses, 500 areas, and 996 users
- ▶ Eight supervised inputs and one unsupervised tamper input
- ▶ Two programmable outputs for optical and acoustical signaling device as well as for other local notification devices; two programmable relay outputs; and one auxiliary output
- ▶ Two Bosch Data Bus (BDB) interfaces and Ethernet port
- ▶ Event reporting via Ethernet (optional)

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 areas¹, and 996 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 3 m in total length, the internal BDB connects the main panel to other MAP devices.

- **External BDB** – Up to 1000 m 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.

¹VdS system is limited to two areas, when connecting to the MAP control centres via the internal and external Data Bus. Further areas can be actualized while connecting an operating and display panel per area through the LSN- Ring.

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 is selected when the user is created. When the user logs in, the preferred language is used at the command center.

Event reporting

Events can be transmitted via two separate paths (Ethernet, GPRS) to a monitoring station. Available protocol: VdS 2465 (optional with ICP-MAP5000-COM, ICP-MAP5000-SC).

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 application².
- **Bosch Remote Programming Software (RPS)**
Programming and diagnostic software for control panels that provides remote programming, record storage, remote control, and diagnostics options.

² VdS-system is limited only to nonreactive connection as information system via exclusive transmission path.

Certifications and approvals

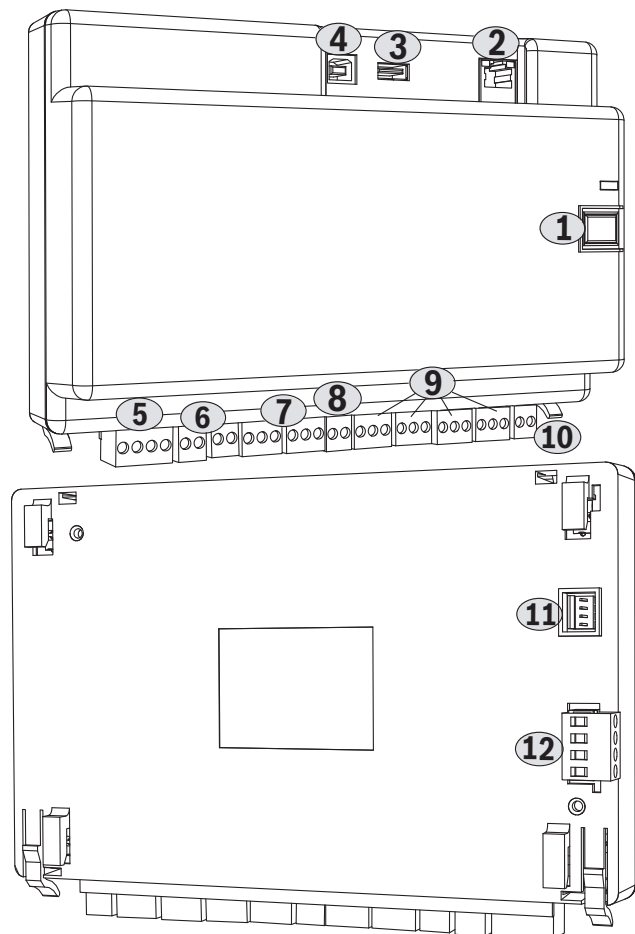
The main panel is designed to comply with the certifications and standards listed here.

Region	Certification	
Europe	EN	EN 50131-1:2006 + A1:2009 EN 50131-3:2009 EN 50131-6:2008
Switzerland	SES	Association of Swiss installers of security systems Edition V3/ 01.01.2011-d
Germany	VdS	G114801 MAP5000 Communicator VdS 2465
France	AFNOR	NF&A2P Grade 3 (when report is completed from CNPP Lab) Certificate Number 12xxxxxxx (when released by CNPP Cert) According to NF324-H58

Region	Certification	
Germany	VdS-S	S 112016 C MAP 5000
	VdS	G111040 C MAP 5000
	VdS	G114801
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-MAP5000-2)
1	Accessory pack • 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) optional with ICP-MAP5000-COM/ICP-MAP5000-SC • Snap ferrite small • Snap ferrite big
1	Literature, User Guide
1	Literature, Release Notes

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 main panel supports one auxiliary output and two power outputs, individually limited to 1A at 28 VDC.
Relay Outputs:	Two Form C dry-contact relay outputs, Contact rating 1A/30VAC and 1A/30VDC.
Data storage:	Use of non-volatile memory for configuration and event memory.

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:	Environmental Class II: EN50130-5, VdS 2110

For NF&A2P installations, Environmental Class I according to EN 50130-5.

Use: Intended for indoor use.

Ordering information

MAP 5000 Main Panel

MAP 5000 main panel controller with 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-MAP5000-2**

MAP 5000 Main Panel with IP Communicator

same as ICP-MAP5000-2. Additional integrated IP Communicator.

Order number **ICP-MAP5000-COM**

MAP 5000 Main Panel Small

same as ICP-MAP5000-2. limited to one LSN Gateway (ICP-MAP0010) and two Control Center (IUI-MAP0001-2)

Order number **ICP-MAP5000-S**

MAP 5000 Main Panel Small, with IP Communicator

same as ICP-MAP5000-2. Additional integrated IP Communicator. Limited to one LSN Gateway (ICP-MAP0010) and two Control Centers (IUI-MAP0001-2)

Order number **ICP-MAP5000-SC**

ITS-MAP0008 GSM Module

GSM module provides wireless transmission of events to a monitoring station via GPRS.

Order number **ITS-MAP0008**

Represented by:

Americas:

Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security
Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com