

AMAX panel 4000

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BOSCH

Invented for life



- ▶ 64 Hardwired zones / 16 Areas
- ▶ 64 User codes
- ▶ 3 x 254 Events log stamped with date and time
- ▶ Remote arming by telephone or PC
- ▶ Optional Programming key for easy Panel backup

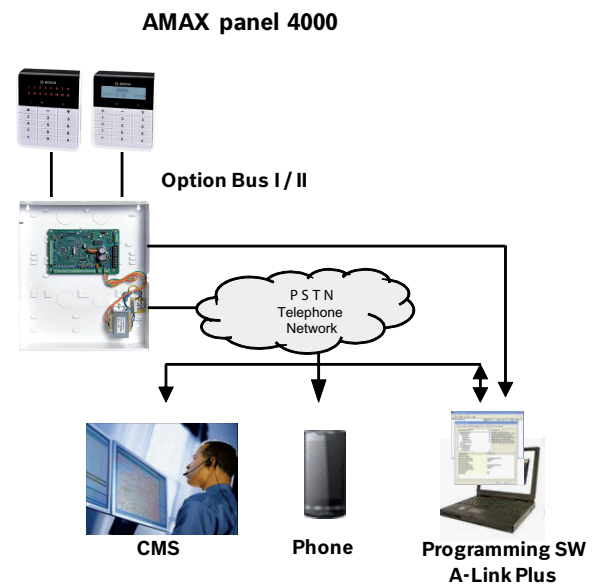
AMAX panel 4000 is an intrusion system, easy to operate with a minimum of instruction that meets the special needs of residential and small to medium-sized business.

It is a complete solution that supports wired conventional detectors and up to 16 Text and/or LED keypads.

AMAX panel 4000 can be expanded to a wireless system (433 MHz) DSRF devices from Bosch.

An alarm can be transmitted with an integrated PSTN communicator to phones and Central Monitoring Stations.

System overview



Functions

AMAX panel 4000 is a 64 zone / 16 area intrusion panel with enclosure and transformer. The system includes a PSTN dialler to transmit an alarm via the common telephone network. An alarm can be transmitted to a phone and a communication center. The easy programming can be done by the AMAX TEXT, LCD or LED keypads or via remote programming software (A-Link Plus).

Basic functions

- Keypad Code STAY / AWAY Arming
- One Button STAY / AWAY Arming
- On Board Dialer with CID / SIA Transmission Format
- 4 Onboard Outputs (two monitored)
- Two Wire Fire Detector on Zone one
- All Zones can be used with four Wire Fire Detectors
- All Zones can be used for Chime Mode (Door Bell)
- All Zones can be used to detect Sensor Tamper (DEOL)
- Test Mode for Outputs and Zones
- Watchdog function

Optional functions

- Wireless devices (433 MHz) with Bosch DSRF
- 8 relay output Expansion module (DX3010)
- 8 zone input Expansion module (DX2010)
- Outdoor sirens and IP cameras can be connected to an optional 8 relay module (DX3010)
- Programming Key

Optional Alarm Transmission

IP communication (BOSCH Network Protocol) via DX4020 module or B426 module

- GPRS communication (Bosch Network Protocol) via DX4020G module
- GSM communication (Contact ID Protocol) via DX4020G module

Optional Remote Programming

- IP (DX4020 / B426 module)
- GPRS (DX4020 G module)

Optional Video Alarm verification

Can be realized in combination with DX3010 8 relay module and IP 200 camera series of Bosch. The live video verification ensures a location check and false alarm reduction via Internet from every location worldwide. This means that you or the monitoring center can get alarm notification in order to detect where exactly the alarm got triggered and if there is a real intruder present.

Compatibility Information

Basic	
PSTN Communicator (Integrated) Formats:	Contact ID, SIA
Magnetic Contacts ⁽¹⁾	All magnetic contacts, including recessed, terminal connection, miniature over-head door, and surface mount.

Intrusion Detectors ⁽¹⁾	All conventional intrusion detectors, including Blue Line, seismic, PIR, TriTech, photoelectric and TriTech PIR Microwave.
Two and Four-wire Smoke Detectors ^(1, 2)	Conventional 12V smoke, heat and photoelectric smoke detectors.
Optional	
Zone	DX2010 zone input module
Relais	DX3010 output module
IP-Communicator	DX4020 or B426 Ethernet Network Interface Module
GPRS/GSM Communicator	ITS-DX4020-G Integrated Communicator

1. Assorted literature is available. Refer to the appropriate datasheet, brochure, installation guide for additional data.

2. Availability varies according to sales region.

Certifications and approvals

Region	Certification
Europe	CE DIN EN 50130-4 (6/2011) DIN EN 55022 (5/2008) EN 60950-1:2006 + A11:2009 + A1:2010

Parts included

CTN	Pcs	Description
AMAX panel 4000	1	64 zone / 16 area intrusion panel with enclosure and transformer, integrated PSTN-Communicator
	1	User Guide, multilingual
	1	CD documentation

Technical specifications

Panel

Enclosure:

Dimensions (HxWxD):	• 375 x 322 x 88 mm(L x W x H)
Weight:	• 4700g

Environmental Considerations:

Relative Humidity:	• 10%-95%
Operating Temperature:	• -10°C - +55°C

Supervised Zones:

Onboard:

Z1:	2 wire fire zone or Single or dual end-of-line (EOL 2,2KΩ) tamper point support
Z2 - Z16 COM:	15 Single or dual end-of-line (EOL 2,2KΩ) tamper point support
Tamper:	Enclosure tamper input (does not reduce point capacity)
Watchdog PO 5	12V output 100mA

Programmable Outputs (PO):

Onboard:	
PO -1:	supervised output max 500mA
PO -2:	supervised output max 500mA
PO +3:	+12V output max 750mA
PO +4:	+12V output max 750mA

Number of...

Zones:	64
Users:	64
Key Fobs:	128
Events:	254 history events, stamped with time and date
	254 EN history events, stamped with time and date
	254 dialer history events, stamped with time and date
Pin Code variations:	1.000.000
Keypads:	16
DX 2010	6
DX 3010:	2
B 426 or DX 4020:	2
DX 4020 G	1
Wireless Receiver:	1
Wireless Devices:	64

Power:

Power Supply Type:	A
Transformer:	230V Input/18VAC 50VA Fuse= 1A
AC Input:	- AC Input Voltage: 195 VAC to 253 VAC - Line Voltage Frequency: 50 Hz - Panel AC Input Voltage: 18-22V AC
DC Output:	- maximum current for all components 2000mA - max current for all components Battery 7Ah standby 12h (recharge Batt 80% in 72h) = 550mA

	- max current for all components Battery 18Ah standby 12h (recharge Batt 80% in 72h) = 1500mA - max current for all components Battery 18Ah standby 36h (recharge Batt 80% in 24h) = 480mA
Aux 1(+12V/GND) Output:	900mA maximum
Aux 2(+12V/GND) Output:	900mA maximum
Option Bus 1:	900mA maximum
Cable requirements:	- four wire, AWG18 or AWG22 - maximum length 200m (Panel to last KP) - maximum BUS 1 length 700m (max 14 devices, max 8 KPs)
Option Bus 2:	900mA maximum
Cable requirements:	- four wire, AWG18 or AWG22 - maximum length 200m (Panel to last KP) - maximum BUS 2 length 700m (max 14 devices, max 8 KPs)
Option Bus 2:	900mA maximum
Panel PCB:	Quiescent current maximum 100mA
Battery:	12V/7 Ah, lead acid rechargeable 12V/18Ah, lead acid rechargeable

Ordering information**AMAX panel 4000**

Language Package 1: English, Polish
Order number **ICP-AMAX4-P1**

AMAX keypad 4000 T

AMAX keypad 4000 T is a LCD text keypad and supports the languages based on the language packages.

Approval: EN 50131-3 Grade 2
Order number **IUI-AMAX4-TEXT**

AMAX keypad 3000 L16

AMAX keypad 3000 L16 is a 16 zone LED keypad.
Approval: EN 50131-3 Grade 2
Order number **IUI-AMAX-LED16**

AMAX keypad 3000 L8

AMAX keypad 3000 L8 is a 8 zone LED keypad.
Approval: EN 50131-3 Grade 2
Order number **IUI-AMAX-LED8**

AMAX keypad 2000 L8

AMAX keypad 2000 L8 is an 8 zone LED keypad
Approval: EN 50131-3 Grade 2
Order number **IUI-AMAX-LED8**

AMAX keypad 2000 D8

AMAX keypad 2000 D8 is an 8 zone LCD keypad

Approval: EN 50131-3 Grade 2

Order number **IUI-AMAX-LCD8**

AMAX4 SW Update Key P1

SW Language package 1: English, Polish

Order number **ICP-AMAX4SW-P1**

AMAX4 SW Update Key P2

SW Language package 2: French, Italian, German, Dutch

Order number **ICP-AMAX4SW-P2**

AMAX4 SW Update Key P3

SW Language package 3: English, Spanish, Swedish, Polish

Order number **ICP-AMAX4SW-P3**

Accessories**ICP-EZPK**

Programming Key

Order number .

DX3010

8 relay output module

Order number **DX3010**

DX2010

8 zone module

Order number **DX2010**

AE20EN

AE20EN plastic enclosure for DX2010/DX3010

Order number **AE20EN**

DX4020

Network Interface Module

Order number **DX4020**

DX4020G

ITS-DX4020G

Order number **DX4020G**

B426

Network Interface Module

Order number **B426**

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