

# Intrusion Control Panels

## Quick Guide

May 2015



**BOSCH**

Invented for life



# Control Panels

## B Series



Commercial Type Number		B3512	B4512	B5512
Applications	Type	Residential, Small Commercial	Residential, Small Commercial	Residential, Small Commercial
	Commercial Fire	—	—	—
	Residential Fire	■	■	■
Integration	Bosch IP Camera	■	■	■
	Access Control	—	—	—
	Home Automation	■	■	■
	BIS (via OPC server)	Yes	Yes	Yes
Advanced Features	Area arming	Interior + Perimeter	Interior + Perimeter	Interior + Perimeter
	Link multiple areas	■	■	■
	Area re-arm	■	■	■
	Monitor delay	■	■	■
	Dual authentication	■	■	■
	Early ambush	■	■	■
	Two-man rule	■	■	■
Communication	IP	■ (on board)	■ (on board)	■ (on board)
	Cellular	■	■	■
	PSTN	■	■	■
	Contact ID	■	■	■
	Modem	Modem4	Modem4	Modem4
IP	On-board Ethernet	■	■	■
	On-board USB	■	■	■
	Conettix	■	■	■
	DNS support	■	■	■
	IPv4/IPv6	■ / ■	■ / ■	■ / ■
	Encryption	AES 256-bit	AES 256-bit	AES 256-bit
	AutoIP Configuration	■	■	■
	Universal Plug and Play	■	■	■
Programming	RPS (remote via IP)	■	■	■
	RPS (via USB)	■	■	■
	Keypad (basic)	■	■	■

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Ease of Use	Mobile app	■	■	■
	Bilingual operation	■	■	■
	Supported languages	English, French, Spanish, Portuguese	English, French, Spanish, Portuguese	English, French, Spanish, Portuguese
	Custom keypad text	■	■	■
	Situation-sensitive on-screen help	■	■	■
	Simplified menus	■	■	■
Notifications	Email	■	■	■
	Text message	■	■	■
	Video (panel-triggered)	■	■	■
Passcode Security	Authority levels	14	14	14
	User names	32 characters	32 characters	32 characters
Wireless Compatibility		RADION, Inovonics	RADION, Inovonics	RADION, Inovonics
Capacity	Areas	1	2	4
	Custom functions	1	2	4
	Doors	–	–	–
	IP Cameras	–	2	4
	Log events	128	128	256
	Outputs	3	27	43
	Point indexes	20	20	20
	Points	16	28	48
	RF Points	8	20	40
	SKEDS	1	5	5
	Supervised keypads	4	8	8
	Users	10 + Service	32 + Service	50 + Service
Certifications		UL, CSFM, ULC	UL, CSFM, ULC	UL, CSFM, ULC

■ Available      – Not available

# Control Panels

GV4

G Series



Commercial Type Number		D7212GV4	D7412GV4	D9412GV4	B8512G	B9512G
Applications	Type	Large Commercial	Large Commercial	Large Commercial	Large Commercial	Large Commercial
	Commercial Fire	—	■	■	■	■
	Residential Fire	■	■	■	■	■
Integration	Bosch IP Camera	—	—	—	■	■
	Access Control	—	■	■	■	■
	Home Automation	—	—	—	■	■
	BIS (via OPC server)	No	No	No	Yes	Yes
Advanced Features	Area arming	Interior + Perimeter	Interior + Perimeter	Interior + Perimeter	Interior + Perimeter	Interior + Perimeter
	Link multiple areas	■	■	■	■	■
	Area re-arm	—	—	—	■	■
	Monitor delay	—	—	—	■	■
	Dual authentication	■	■	■	■	■
	Early ambush	■	■	■	■	■
	Two-man rule	■	■	■	■	■
Communication	IP	■	■	■	■ (on board)	■ (on board)
	Cellular	■	■	■	■	■
	PSTN	■ (on board)	■ (on board)	■ (on board)	■	■
	Contact ID	■	■	■	■	■
	Modem	Modem IIIa	Modem IIIa	Modem IIIa	Modem4	Modem4
IP	On-board Ethernet	—	—	—	■	■
	On-board USB	—	—	—	■	■
	Conettix	■	■	■	■	■
	DNS support	■	■	■	■	■
	IPv4/IPv6	■ / —	■ / —	■ / —	■ / ■	■ / ■
	Encryption	—	—	—	AES 256-bit	AES 256-bit
	AutoIP Configuration	■	■	■	■	■
	Universal Plug and Play	—	—	—	■	■
Programming	RPS (remote via IP)	■	■	■	■	■
	RPS (via USB)	—	—	—	■	■
	Keypad (basic)	■	■	■	■	■

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Ease of Use	Mobile app	■	■	■	■	■
	Bilingual operation	–	–	–	■	■
	Supported languages	English	English	English	English, French, Spanish, Portuguese	English, French, Spanish, Portuguese
	Custom keypad text	■	■	■	■	■
	Situation-sensitive on-screen help	–	–	–	■	■
	Simplified menus	–	–	–	■	■
Notifications	Email	–	–	–	■	■
	Text message	–	–	–	■	■
	Video (panel-triggered)	–	–	–	■	■
Passcode Security	Authority levels	14	14	14	14	14
	User names	16 characters	16 characters	16 characters	32 characters	32 characters
Wireless Compatibility		Inovonics	Inovonics	Inovonics	RADION, Inovonics	RADION, Inovonics
Capacity	Areas	4	8	32	8	32
	Custom functions	4	4	16	8	32
	Doors	–	2	8	8	32
	IP Cameras	–	–	–	8	16
	Log events	1,000	1,000	1,000	2,048	10,192
	Outputs	27	67	131	3 + 96	3 + 496
	Point indexes	31	31	31	31	64
	Points	40	75	246	99	599
	RF Points	32	67	238	91	591
	SKEDS	40	40	40	40	80
	Supervised keypads	8	16	16	16	32
	Users	99 + Service	399 + Service	999 + Service	500 + Service	2000 + Service
Certifications		UL, CSFM, ULC, ANATEL	UL, CSFM, FDNY-CoA, ULC, ANATEL	UL, CSFM, FDNY-CoA, ULC, ANATEL	UL, ULC, CSFM	UL, ULC, CSFM

■ Available      – Not available

# Keypads

## Intrusion Applications

## Fire Applications



Commercial Type Number		B915	B920	B921C	B930	B942/W	B925F	B926F
Type		Basic	Standard	Capacitive Touch	ATM Style	Touch Screen	Combination Intrusion + Fire	Standard Fire
Function Keys	Intrusion	—	■	■	■	—	■	—
	Fire	—	—	—	—	—	■	■
Display	Type	2-line, 18 characters	2-line, 32 characters	2-line, 32 characters	5-line, 32 characters	Text + Icons	2-line, 32 characters	2-line, 32 characters
	Bilingual support	■	■	■	■	■	■	■
	Languages	English, French, Spanish, Portuguese	English, French, Spanish, Portuguese	English, French, Spanish, Portuguese	English, French, Spanish, Portuguese	English, French, Spanish, Portuguese	English, French, Spanish, Portuguese	English, French, Spanish, Portuguese
On-screen help		—	■	■	■	■	—	—
Indicators	All On	■	■	■	■	■	■	■
	Part On	■	—	—	—	—	—	—
	Ready	■	■	■	■	■	■	■
	Trouble	■	■	■	■	■	■	■
	Power	■	■	■	■	■	■	■
	Gas alarm	■	■	■	■	■	■	■
	Fire alarm	—	—	—	—	—	■	■
	Silenced alarm	—	—	—	—	—	■	■
Supervision error	—	—	—	—	—	■	■	
Audible tones		■	■	■	■	■	■	
Proximity reader		—	—	—	—	■	—	
Inputs/outputs		— / —	— / —	4 / —	— / —	4 / 1	— / —	— / —
Dimensions		5.5" x 4.7" x 1" (139 x 118 x 23 mm)	6.2" x 4.7" x 1" (158 x 120 x 26 mm)	6.2" x 4.7" x 1" (158 x 120 x 26 mm)	6.2" x 5.5" x 1" (158 x 140 x 26 mm)	6.2" x 4.7" x 0.65" (158 x 120 x 16.5 mm)	6.2" x 4.7" x 1" (158 x 120 x 26 mm)	6.2" x 4.7" x 1" (158 x 120 x 26 mm)
Connection type		SDI2 bus	SDI2 bus	SDI2 bus	SDI2 bus	SDI2 bus	SDI2 bus	SDI2 bus

■ Available    — Not available

# Communication Modules



Commercial Type Number		B430	B440	B441	B442	B443	B426	B450
Type		Single phone line	Two-way cellular*	Two-way cellular*	Two-way cellular*	Two-way cellular*	Two-way IP	Cellular Interface
IP	Supported protocols	—	Conettix	Conettix	Conettix	Conettix	Conettix	Conettix
	Encryption	—	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit
Display	Ethernet protocol	—	—	—	—	—	IPV4, IPV6	—
	Ethernet type	—	—	—	—	—	10/100 Base-T	—
	Network support	—	—	—	—	—	DHCP, UPnP, Auto IP, Static IP	—
	DNS support	—	—	—	—	—	■	—
	Anti-replay/anti-substitution	—	■	■	■	■	■	■
Cellular	Resistance to DoS attacks	—	■	■	■	■	■	■
	Communication	—	3G EVDO rev A, CDMA2000, 1xRTT	CDMA2000, 1xRTT	GPRS	3G/4G GPRS, EDGE, UMTS, HSPA+	—	—
Network	Network	—	Verizon	Verizon	—	—	—	—
	Connection type	Panel	Plug-in	Plug-in	Plug-in	Plug-in	SDI or SDI2	SDI or SDI2
Communication path	Communication path	RJ-45	Omni-directional antenna	Omni-directional antenna	Omni-directional antenna	Omni-directional antenna	RJ-45 (Cat5 or greater)	Via plug-in module
	Notifications	Email	—	■	■	■	—	■**
Programming	Text message (SMS)	—	■	■	■	■	—	■**
	Remote Security Control app	—	■	■	■	■	■	■**
	Keypad (basic)	—	—	—	—	—	—	—
Diagnostics	Remote via browser	—	—	—	—	—	■	—
	Remote via RPS	■	■	■	■	■	■	■**
Panel compatibility	LEDs	—	■	■	■	■	■	■
	Advanced keypad diagnostics	—	■	■	■	—	—	—
Certifications	B Series	■	■	■	■	■	■	■
	G Series	■	■	■	■	■	■	■
	GV4	—	■ (with B450)	■ (with B450)	■ (with B450)	■ (with B450)	■	■
Certifications		UL, ULC, CSFM, FDNY-CoA, ANATEL	FCC, UL, CSFM, FDNY-CoA, Verizon	FCC, UL, CSFM, FDNY-CoA, Verizon	FCC, UL, ULC, CE, ANATEL	UL, ULC, PTCRB, CE, FDNY-CoA, Rogers	FCC, UL, ULC, CSFM, FDNY-CoA	NIST, FCC, UL, ULC, PTCRB, CE, ANATEL, SIA, CSFM, FDNY CoA

■ Available      — Not available

\* B440 and B441 are shipped pre-activated for Bosch Cellular service on the Verizon cellular network. A valid service contract is required prior to ordering.

B442 requires active cellular service on a GSM supported network.

B443 requires an appropriate SIM card and data plan for cellular operation.

\*\* Requires Bosch Cellular Service or other cellular network access.

## Accessories

CTN	Description	Compatibility		
		B Series	GV4	G Series
<b>SDI Bus Keypads</b>				
D1255 Series	Vacuum Fluorescent Display (VFD) Keypads	—	■	■
D1256RB	Fire Keypad	—	■	■
D1257RB	Remote Fire Alarm Annunciator	—	■	■
D1260 Series	LCD Keypads	—	■	■
<b>Conettix Receivers</b>				
D6100i	Communications Receiver/Gateway, CPU v.61.10.00	■	■	■
D6100IPv6	Communications Receiver/Gateway, CPU v.61.10.00	■	■	■
D6600	Communications Receiver/Gateway, CPU v.01.10.00	■	■	■
<b>Wireless Receivers</b>				
B810	B810 wireless receiver (RADION)	■	■*	■
B820	B820 SDI2 Inovonics Interface Module	■	■*	■
<b>Accessories</b>				
B501-10	SDI2 Interconnect Wiring Cables (pack of 10)	■	—	■
B56	Keypad Surface Mount Box	■	—	■
B96	Keypad Trim Bezel	■	—	■
B99	USB Direct Connect Cable	■	—	■
D122	Dual Battery Harness	—	■	■
D122L	Dual Battery Harness with Long Leads	—	—	■
<b>Enclosures</b>				
B10	Medium Control Panel Enclosure	■	—	—
B11	Small Control Panel Enclosure	■	—	—
B12	Mounting Plate for D8103 Enclosure	■	—	—
B8103	Universal Enclosure (white)	■**	■	■
D8103	Universal Enclosure	■**	■	■
D8108A	Attack Resistant Enclosure	■**	■	■
D8109	Fire Enclosure	■**	■	■
<b>Transformers</b>				
CX4010	Plug-in Transformer (18 VAC 22 VA 60 Hz)	■	—	—
D1640	Transformer (6.5 VAC 40 VA)	—	■	■
D1640-CA	Transformer for Canada (16.5 VAC 40 VA )	—	■	■
ICP-TR1822-CAN	Plug-in Transformer — Canada (110 VAC/18 VAC 22 VA)	■	—	—

■ Available      — Not available

\* Requires Firmware 2.0x

\*\* Requires B12 mounting plate



## Accessories

CTN	Description	Compatibility		
		B Series	GV4	G Series
<b>Modules</b>				
B201	2-wire Powered Loop Module	■	–	–
B208	Octo-input Module	■	■	■
B299	POPEX Module	–	–	■
B308	Octo-output Module	■	■	■
B520	Auxiliary Power Supply Module	■	■	■
B600	Retrofit (ZONEX) Module	–	–	■
B901	Access Control Module	–	■	■
D113	Battery Lead Supervision Module	■	■	■
D125B	Dual Class B Initiating Module	■	■	■
D127	Reversing Relay Module	■	■	■
D129	Class A Initiating Module	■	■	■
D130	Auxiliary Relay Module	■	■	■
D132A	Smoke Detector Reversing Relay Module	■	■	■
D133	Single Relay Module	■	■	■
D134	Dual Relay Module	■	■	■
D185	Reverse Polarity Signaling Module	■	■	■
D192G	Class B, Style Y Bell Circuit Supervision	■	■	■
D8125	Addressable Expansion Module	–	■	■
D8125MUX	Multiplex Bus Interface	–	■	■
D8128D	OctoPOPIT Eight-point Expander	–	■	■
D8129	Octo-relay Module	–	■	■
D8130	Door Release Module	–	■	■
D9127U/T	POPIT Module	–	■	■
D9210C	Access Control Interface Module	–	■	■
DS7432	Eight-input Remote Module	–	■	■
DS7457i	Single-zone Multiplex Input Modules	–	■	■
DS7460i	Two-input Module	–	■	■
DS7461i	Single-zone Input Module	–	■	■
DS7465i	Input-output Module	–	■	■
ICP–EZTS	Cover and Wall Tamper Switch	■	–	■
ICP–SDI–9114	SDI Splitter	–	■	■

■ Available      – Not available





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