

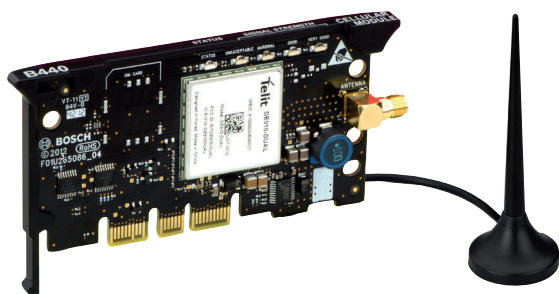
Transmetteur cellulaire enfichable Conettix B440

www.boschsecurity.fr



BOSCH

Des technologies pour la vie



- ▶ Secure Conettix IP communication from compatible Bosch panels to Bosch receivers using Verizon 3G EVDO/CDMA
- ▶ Remote programming and monitoring of compatible Bosch panels
- ▶ Personal SMS message and e-mail notification options
- ▶ Direct configuration from Bosch Remote Programming Software (RPS), eliminating the need for separate configuration
- ▶ Simple LED status information and advanced keypad diagnostics available

The B440 enables 3G EVDO and CDMA secure two-way IP communication over the Verizon cellular networks.

Typical applications are:

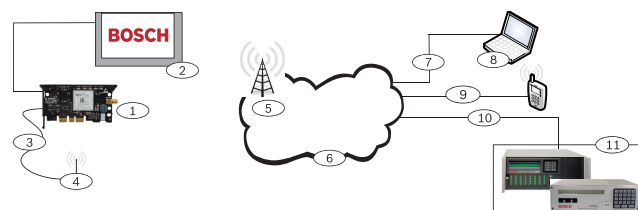
- Alarm reporting to a central station
- Remote panel programming through Remote Programming Software
- Remote monitoring and control through a mobile application
- Personal notification using SMS

The B440 is built for a wide variety of secure commercial and industrial applications. Flexible end-to-end path supervision, 128-bit to 256-bit AES encryption and anti-substitution features make B440 especially suited for use in high security and fire monitoring applications.

Developed for the military, CDMA technology offers long service life with resistance to hacking and jamming. The B440's dual technology radio uses high speed 3G EVDO when available or switches to CDMA if required.

Note: Cellular capability requires an appropriate data plan from Bosch.

Vue d'ensemble du système



Légende — Description	Légende — Description
1 — Transmetteur cellulaire enfichable Conettix B440	7 — Connexion réseau à un PC distant
2 — Centrale compatible	8 — PC distant exécutant le logiciel RPS
3 — Câble d'antenne	9 — Notification personnelle par SMS
4 — Antenne avec socle magnétique	10 — Connexion Ethernet

5 — Borne radio sur réseau sans fil de l'opérateur	11 — Centre de télésurveillance centralisé
6 — Réseaux IP en nuage	

Fonctions de base

Conettix IP communication via Cellular

In addition to the security provided by the network operator, the B440 uses our Conettix IP protocol that supports:

- Flexible polling intervals
- Resistance to Denial of Service attacks
- 128-bit to 256-bit AES encryption with Cypher Block Chaining
- Anti-replay/anti-substitution keys

Easy Installation, troubleshooting, and maintenance

- No networking expertise required at field site (no firewall or router settings)
- No PC or special tools required for installation and troubleshooting
- Service plans and settings managed through RPS
- Diagnostic LEDs for on-site troubleshooting

LED	Function
Blue (heartbeat)	System status indicator
Red	Unacceptable signal strength
Yellow	Marginal signal strength
1 Green	Good signal strength
2 Green	Very good signal strength

Remote programming of Bosch control panels

The B440 supports secure RPS programming of compatible Bosch centrales.

Personal notification and control

The B440 supports the Bosch Remote Security Control mobile application and can be configured for SMS personal notification reports to mobile phones or e-mail addresses.

Certifications et accréditations

Region	Certification
États-Unis	Verizon Open Development Certified

Région	Certification
États-Unis	UL UL 365 - Police Station Connected Burglar Alarm Units
	UL UL 636 - Holdup Alarm Units and Systems
	UL UL 864 - Standard for Control Units and Accessories for Fire Alarm Systems
	UL UL 985 - Household Fire Warning System Units
	UL UL 1023 - Household Burglar Alarm System Units

Région	Certification
	UL UL 1076 - Proprietary Burglar Alarm Units and Systems
	UL UL 1610 - Central Station Burglar Alarm Units
	CSFM see our website
	FCC Part 15 Class B
	FDNY-CoA 6173
	FDNY-CoA 6174
	FDNY-CoA 6196

Schémas/Remarques

Instructions de montage

Le module se branche sur n'importe quelle centrale compatible, disponible dans un large choix de coffret.

Câblage

Le module se connecte à n'importe quelle centrale sans qu'aucun outil ni câblage physique ne soit nécessaire pour l'alimenter. Lorsqu'il est utilisé avec l'B450 Conettix Plug-in Communicator Interface, le B450 est raccordé au bus de données centrale. Le module cellulaire est dotée d'une vis sur la connexion d'antenne SMA.

Quelques informations concernant le service Bosch Cellular

Le module est envoyé pré-activé pour le service Bosch Cellular via le réseau cellulaire Verizon. Un contrat de service valide est requis avant de passer une commande.

Compatibilités

Control panels	B9512G/B9512G-E, B8512G/B8512G-E B6512 B6512/B5512/B4512/B3512, B5512E/B4512E/B3512E control panel with firmware v2.03 or higher (direct insertion) The B440 is compatible with most Bosch control panels when used with a B450 Conettix Plug-in Communicator Interface. Refer to the B450 datasheet for complete control panel compatibility listings.
Cellular	EVDO rev A CDMA2000 1xRTT

Compatibilité de la technologie cellulaire

Dispositif	Réseaux cellulaires			
	2G (CDMA)	3G (CDMA)	GPRS (GSM)	HSPA+ (GSM)
B440 *	X	X		
B441 *	X			

Dispositif	Réseaux cellulaires			
	2G (CDMA)	3G (CDMA)	GPRS (GSM)	HSPA+ (GSM)
B442 *			X	
B443 *			X	X

*Disponibilité dans votre région à vérifier.

Composants inclus

Quantité	Composant
1	Transmetteur cellulaire enfichable Conettix B440
1	Antenne
1	Documentation

Spécifications techniques

Electrical

Current (operating)	Standby: 35 mA Alarm: 150 mA
Voltage (operating)	12 VDC nominal
Radio	Verizon CDMA dual band radio 850 MHz and 1900 MHz

Environmental

Environment	Environmental Class III - Indoor
Relative humidity	5 – 93% at +32°C (+90°F) non-condensing
Operating temperature	-10°C to +55°C (+14°F to +131°F)

Mechanical

Board dimensions	2 in x 3.68 in x 0.60 in (50 mm x 93.5 mm x 15.25 mm)
Antenna (included)	- Magnetic base omni-directional 8.2 ft (2.5 m) cable with SMA connector

Informations de commande

Transmetteur cellulaire enfichable Conettix B440

Transmetteur cellulaire double technologie 3G EVDO/CDMA pour assurer une communication IP bidirectionnelle sur le réseau sans fil Verizon.

Numéro de commande **B440**

Représenté par :

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: + 31 40 2577 284
emea.securitysystems@bosch.com
emea.boschsecurity.com

Germany:
Bosch Sicherheitssysteme GmbH
Robert-Bosch-Ring 5
85630 Grasbrunn
Germany
www.boschsecurity.com