BOSCH

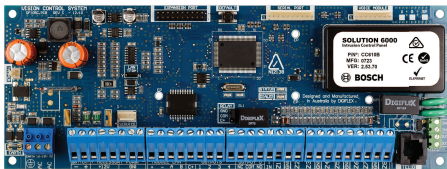# CC610GWP SOLUTION 6000 PCB + CP736B KEYPAD

▶ Integrated access control for up to 16 doors

▶ MiFare Smart Card keypads, weather-proof external metal keypads, Internal & External LAN readers available

▶ 5 onboard outputs (expandable to 37)

▶ 16 onboard zones (expandable to 144 wired or wireless), partitionable to 8 areas with 990 PIN, token, keyfob and Fingerprint users

The Solution 6000 Access and Intrusion alarm control panel offers an extensive feature list including integrated MiFare Smart Card readers, numerous wire free options, high speed windows programming software and the simplest user/installer interface on the market today.

The CP736B Graphic Keypad provides everything you would expect from a State of the Art security keypad and much more. The décor-friendly white plastic housing blends with the most discerning of interior designs. Color-coded, illuminated rubber keys allow for easy identification and operation in all ambient light conditions and provide a positive feel to the user. Red and Green indicators provide easy identification of Armed and Disarmed areas, and a Blue indicator shows door status when access features are in use.

The in-built sounder provides audible feedback during system operation and emits a siren sound during an alarm providing early warning. The volume level can be individually programmable for each keypad connected to the system.

The 3.5" graphic color display on the CP736B incorporates the latest pixel technology, which graphically identifies all system conditions at a glance. Variable font sizes and colors are used depending on the situation, with essential information being displayed in large bold font while four or more lines of text can be displayed when additional information is available.

The large text display lets users clearly identify the current operating mode and enhances feedback for simple, trouble-free operation.

All programmable system features and options are displayed in full text on the keypad, allowing many parameters to be programmed and configured without referring to the manual.

Functions

Integrated Access Control

Access control is no longer reserved for larger, more expensive systems. Smart card technology from Bosch provides an affordable and effective solution for up to 16 access doors. The new LAN readers include egress and lock control built in, which reduces cost and simplifies installation.

Advanced RS485 LAN

The control panel communicates with other system module devices via the built in RS485 LAN or Local Area Network.

For increased security, the system uses anti-substitution technology and a proprietary data encryption algorithm to communicate with all LAN modules.

When using the recommended cable types, the LAN can be up to 1200 meters in length, or even greater when LAN isolators are used.

Chime Mode

Chime mode allows monitoring a zone or group of zones by sounding the keypad buzzer or activating a programmable output. This feature is ideal to monitor business entry doors for customer entry during business hours.

Flexible Communications Options
CID, SIA, and GSM-SMS Text Reporting formats are all standard out of the box and the dual reporting feature allows you to select which reports are sent to which route and in what format. Open / Close reporting can be selected individually for each user and area on the panel allowing the owner to monitor cleaner access, children returning home from school or access to a particular restricted area all via their mobile phone.

Delay Trouble Beeps
Setting this option will prevent any system trouble events from sounding the code pad speaker between the hours of 10pm until 7am. During this time, any new trouble event will be shown in the code pad display. If trouble events are still in effect after 7am the code pad will begin to sound the trouble alert to notify the user. This function is ideal for all residential applications.

Event Log
The control panel stores up to 2000 events from all areas. All events are recorded in the log regardless of the reporting setting. The event log may be viewed via the code pad or via a direct or remote connection from the Solution Link programming software.

Graphic User Interface
The new colour Graphic User Interface incorporates a text driven menu. Color-coded, illuminated keys allow for easy identification and operation in all ambient light conditions and provide a positive feel to the user. Red and green indicators provide easy identification of Armed and Disarmed modes and the built-in sounder provides audible feedback via polyphonic like signaling tones during system operation. The sounder emits a siren sound during alarm condition providing early warning and the volume level is individually programmable for each code pad connected to the system. All Graphic code pads incorporate a built-in proximity reader allowing users to simply present their token to the key pad to arm/disarm and/or unlock a door. Children and the elderly will find this feature extremely easy to use, as no PIN codes are required for operation.

Multi-Tenant
When enabled the Multi-Tenant feature locks the first 144 users on the system to the first 144 zones on the system. Each time a user enters their PIN the corresponding zone is automatically bypassed, allowing the user to access the zone. The Multi-Tenant feature is ideal for applications such as self-storage centers or schools etc.

16 On-board Zones (expandable to 144 wired or wireless)
The Solution 6000 can be expanded up to 144 wired or wireless zones using zone expanders and/or serial radio receivers. Zone programming determines the panel's response to open/short and tamper conditions on the zone loop. Zones can be programmed individually to monitor all types of security alarms, fire alarms and supervision devices.
The panel supports multi-vendor wireless devices allowing you to select the most appropriate products for each installation.

Partitioning up to 8 Areas
The control panel supports up to 8 separate areas with no restriction on the number of individual zones that can belong in an area. You can arm and disarm the control panel by area. Alternatively, you can arm and disarm several areas at the same time.
Multiple areas can be linked to a shared area which is automatically controlled (hallway or lobby). Area arming may be conditional on other areas (master or associate).

Variable PIN configuration
Users can be given free choice of PIN length or alternately an exact PIN length requirement may be enforced for higher security applications. PIN codes can be set to expire at a pre-programmed time per user.

Programmable Outputs
The Solution 6000 Control panel supports 5 onboard outputs and is expandable to 37 outputs in total. All outputs are protected and will shut down individually under an overload condition. Output conditions are displayed on the code pad and may be reported externally if required. Outputs may be triggered via an event and or manually and may be programmed for polarity, pulsing or one shot operation.

Sensor Watch
Sensor Watch monitors each zone's activity while its corresponding area is disarmed. If the zone fails to operate at least once during the sensor watch time period, a system trouble will be initiated.

Separate Tamper Inputs
Both the Solution 6000 Control Panel and most panel modules feature a separate tamper input making remote locating devices in a secure enclosure easy.

Time Zones
Up to 16 time zones may be implemented. Each time zone can have up to 4 time periods including day of the week and holidays. Time zones may be used to automatically arm/disarm the system at specific times as well control user access to doors or to automatically control outputs.

990 Users with flexible credentials and devices
Up to 990 individual users may be included in the system. Each user can be given a unique PIN code, RF key fob, MiFare Smart Card token, and fingerprint credential if required. The Solution 6000 supports variable length PIN codes up to 8 digits.

Walk test
Enables a user to test all zones within an area at the same time. When the walk test feature is activated, the code pad will display a list of areas available to walk test. Once the area to test is selected, all zones within the area will be displayed. The user then walks the area and zones successfully tested will be removed from display leaving only those that failed to be activated on the code pad screen.

Lighting
Brightness levels are programmable via the keypad so that the user can adjust the display to their desired optimum clarity. The keys illuminate with a subtle white glow, and during operation, the keypad automatically switches to a brighter mode for easy use. In addition, the user may have the installer program the keypad to extinguish the lighting when not in use.

Smart Card reader
The built-in Smart Card reader allows users to present a token or card at the keypad to arm or disarm the system, eliminating the need to remember PIN numbers. In addition, the dedicated Lock and Egress terminals simplify access control applications. This option is programmed by an Installer.

Customization
The CP736B includes a customizable banner that appears at the top of the keypad screen, allowing you to personalize every installation with a Site Name, Company Name or Contact Number.

Compatibility list

Management software and hardware
SW500B - Solution Link Software
SW501B - Site Manager Onsite Administration Software
CM910 - Combined Direct Link/Flash Programmer - USB
CM255 - One Use Only Default Key

Smart RF
RF110 - Smart RF 5 Button 2-Way Keyfob
RF110FK - Colour Fascia Kit To Suit RF110 Keyfobs
RF112W - Smart RF Reed-HW Input+Shock+Pulse
RF112B - Smart RF Reed-HW Input+Shock+Pulse
RF113W - Smart RF SM Reed-HW Input+PWR Out
RF113B - Smart RF SM Reed-HW Input+PWR Out
RF120 - Smart RF LAN Base Station Receiver 2-Way
RF121 - Smart RF LAN Base Station Receiver With 4 Relay Outputs 2-Way
RF160 - Smart RF 2 Channel Wireless Output Module
CM195B - Multi RF Receiver Interface *

Readers and Credentials
PR113B - Internal Smart Card Reader (Black)
PR114B - Internal Smart Card Reader (White)
PR115B - External Smart Card Reader (Black)
PR116B - External Smart Card Reader (White)

CM436B - Desktop Reader Interface For 3rd Party Weigand Readers
CM438B - USB Powered Desktop Reader Interface For DF Format EM Prox Tokens
CM439B - USB Powered Desktop Reader Interface For DF MiFare Smart Card Tokens
PR301 - Smart Card Token With Keyring
PR350 - ISO Smart Card
PR365 - Adhesive Smart Card Sticker
PR370 - Dual Smart Card and EM Format Token

Communication devices
CM747B - Plug On 4G GSM/GPRS Module
CM369B - IP Communications Module 4G GPRS Module
CM751B - TCP/IP Interface Module
CM430S - LAN to Ethernet Converter Module

Expansion and Modules
CM435B - Power Terminal Expander Module
CM444B - Slim Style Relay Card Form C-2 Amp
CM940B - 6 Way Programmable Relay Card
CM704B - 8/16 Zone Input Expander
CM705B - Universal Expansion Module
CM707B - 8 Piggy Back Zone Input Expander Module
CM710B - 4-Way Relay Output Module
CM760B - Real Time Clock Module
CM797B - LAN Isolator Module

Power
CM720B - 1 Amp Power Supply Module
CM723B - LAN 5 Amp P/S Module/Dual Battery Chargers
CM724B - LAN 5 Amp P/S Module/Dual Battery Chargers (Export Model)
TF008-B - P/SUPPLY, 18VAC 1.33AMP, 3WIRE-COMPLIANT

Compatible Keypads
CP155B - External Keypad with S/C Reader
CP156B - Slim Style External Metal Keypad with S/C Reader
CP722B - Graphic Keypad Smart Card Reader (White)*
CP732B - Graphic Keypad Smart Card Reader (Black)*
CP741B - Graphic Keypad With Wi-Fi (White)*
CP736B - 3.5" Colour keypad - S/C
CP737B - 3.5" Colour keypad - S/C, Wi-Fi
CP799 - Installer Service Keypad

Expansion Devices
CM195B - Multi RF Receiver Interface
CM368B - IP Communications Module 4G GPRS Module
CM430S - LAN to Ethernet Converter Module
CM704B - 8/16 Zone Input Expander
CM705B - Universal Expansion Module
CM707B - 8 Piggy Back Zone Input Expander Module
CM710B - 4-Way Relay Output Module
CM720B - 1 Amp Power Supply Module

CM746B - Plug On 4G GSM/GPRS Module
CM751B - TCP/IP Interface Module
CM760B - Real Time Clock Module
CM797B - LAN Isolator Module
CM796B - Wiegand to RS485 LAN Interface Module
CM723B - LAN 5 Amp P/S Module/Dual Battery Chargers
CM724B - LAN 5 Amp P/S Module/Dual Battery Chargers (Export Model)
RF120 - Smart RF LAN Base Station Receiver 2-Way
RF121 - Smart RF LAN Base Station Receiver With 4 Relay Outputs 2-Way
RF160 - Smart RF 2 Channel Wireless Output Module

Bosch Radion Wireless
RFRC-STR2 - RADION Wireless Receiver - Streamline Bus
RFRP2 - Wireless transceiver- Repeater
RF3405E - Wireless vibration sensor w/loop input
RFGB - Wireless Glass Break
RFSM2-A - Wireless smoke detector
RFKF-FBS - Wireless key fob, 4-button, encrypted
RFDW-SM - Wireless Door/Window Contact
RFDW-RM - Wireless Recessed Door/Window
RFPB-TB - Wireless Panic Two Button
RFDL-11 - Wireless PIR Tri Tech
RFPR-12 - Wireless PIR
RFPB-SB - Wireless Panic One Button
RFUN - Wireless Universal Transmitter
RFBT - Wireless Bill Trap
RFPR-C12 - Wireless PIR Curtain
RFKF-TBS - Wireless key fob, 2-button, encrypted
RFAC-LY-10 - Wireless Keyfob/Panic Lanyard (Pack of 10)
RFAC-BC-3 - Wireless Keyfob/Panic Belt Clip (Pack of 3)

Parts included

Panel assembly includes:

Quantity	Component
1	Control panel
1	Manual
1	Resistor Pack

Resistor Pack includes:

Quantity	Component
1	Red Battery Lead
1	Black Battery Lead
1	2-Way Shunt With Handle
2	Phillips Pan Head Zinc Plate Screw

Quantity	Component
10	3K3 - 0.25W +/- 1% Metal Film Resistors
10	6K8 - 0.25W +/- 1% Metal Film Resistors
1	3-Way AC Terminal Block
1	Panel Tamper Switch
1	Tamper Switch Bracket

Quantity	Component
1	Codepad
1	Manual
1	Mounting back plate

Technical specifications

Connectivity
Panel

Module Connection (RS485 LAN)	Max. total LAN length using multi strand 4 core (14020) security cable = 300m Max. total LAN length using 2 pair twisted shielded data cable (Belden 8723) = 1200m. See installation manual for complete wiring instructions.
Communications	CID, SIA, E-mail, Voice, Domestic Dialling, GMS-SMS, Connetix IP, CSV-IP
Telephone connection	RJ-12 Socket or 4-way terminal

Keypad

Connectivity	Proprietary RS485 LAN. Vision-X, Vision-XIP, Solution 6000 and Solution 6000-IP Panels supported

Electrical
Panel

Battery capacity (Ah)	7.2 Ah
Input Voltage	16-18V A.C 50-60Hz - 24VA External Power Adapter or 220-240V A.C. to 18V A.C 50-60Hz - 24VA Internal Transformer (Primary Power Source)

Operating voltage (VDC)	10.2 VDC
Type of power supply	VAC; Battery
Battery Type	Bosch BA 12V 7.2AH or equivalent. (Secondary Power Source).
Battery Charger	Pulse by pulse charger. (Note: Charge voltage cannot be measured unless battery is fitted.)
Continuous Power	1 Amp MAX (combined power drawn from Accessory Power (+12V) LAN Power (Module LAN +) and Output Power (C+) terminals must not exceed 1 Amp.
Alarm Power	4 Amp (Total with primary and secondary power sources fitted)
Keypad	
Power	+12VDC, 110mA Max (LAN powered +9VDC - +16VDC)

Environmental
Panel

Operating temperature (℃)	0 ℃ – 55 ℃
Operating relative humidity, non-condensing (%)	5% – 85%
Keypad	
Operating temperature (℃)	0 ℃ – 55 ℃
Operating relative humidity, non-condensing (%)	5% – 85%

Mechanical
Keypad

Color	White
Dimensions (H x W x D) (mm)	149 mm x 88 mm x 21.5 mm

User interface
Keypad

Display color	Color