CC500 Solution 16i Control Panel

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Invented for life

- ▶ 16 On-board Zones (wired or wireless)
- ▶ 32 Users
- ▶ Partionable to 4 Areas
- ▶ Proximity Code Pad
- ▶ Flexible Reporting Options

The Solution 16i Intrusion Control Panel offers an extensive feature listing including integrated proximity, numerous wire free options, high speed windows programming software and an easy to use LCD Icon interface with text.
The Solution 16i is designed and manufactured in Australia to meet local and international requirements.

Functions

ICON LCD Code Pads with Text
The ICON LCD Code Pad combines Bosch industry leading ICON interface technology with the added benefits of a text display. Installers are provided key information whilst programming such as memory location and existing data in easy to read text. Colour 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 in-built sounder provides audible feedback via polyphonic like signalling 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.

An enhanced version of the ICON LCD Code Pad incorporates a built-in proximity reader allowing users to simply present their token to the keypad 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.

16 On-board Zones (wired or wireless)
The Solution 16i supports up to 16 wired zones using a split end of line resistor configuration or dual end of line configuration with the use of a zone expander. Wireless zones are supported with the inclusion of a serial radio receiver. Zone programming determines the panel's response to open / short and tamper conditions on the zone loop. Zones may 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.

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

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

Separate Tamper Inputs
Both the Solution 16i Control Panel and all panel modules feature a separate tamper input making remote locating devices in a secure enclosure easy.

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.

Partitioning up to 4 Areas
The control panel supports up to 4 separate areas with no restriction on the number of individual zones that can belong in an area. You can assign all zones to a single area, or you can assign each zone to a combination of different areas. 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).

Programmable Outputs
The Solution 16i Control panel supports 4 on board outputs and is expandable to 16 outputs in total. All outputs are protected and will shut down individually under an overload condition. Outputs 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.

Proximity Control
Proximity technology from Bosch provides an affordable and effective solution with up to 8 proximity code pads supported on the control panel. Use of proximity code pads reduces false alarms caused by user error.

Schedules
Up to 8 schedules may be implemented. Each schedule has a start and stop time as well as day of the week and holidays. Schedules may be used to automatically arm / disarm the system at specific times or control outputs. They may also control the ability for users to gain access at different times of the day / week.

32 Users with flexible credentials and devices
Up to 32 individual users may be included in the system. Each user can be given a unique PIN code, RF key fob and Proximity token if required. The solution 16i supports variable length PIN codes up to 8 digits.

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.

Flexible Communications Options
CID, SIA, DOMESTIC and 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.

RS485 Encrypted Control Panel BUS
Advanced Bosch encryption technology is employed on the Solution 16i BUS to ensure security of information transfer between all system devices.
Anti substitution algorithms create a relationship between the control panel and each system module upon registration preventing attack by substitution for higher security applications.

Event Log
The control panel stores up to 256 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, serial printer or via a direct or remote connection from the Solution Link programming software.

Certifications and approvals

Supplier Code:	N12138

Technical specifications

Enclosure

Dimensions (H x W x D):	257 mm x 375 mm x 90 mm
Weight:	2.8 kg

Environmental Considerations

Relative Humidity:	5 to 85 % at 30 ° C non-condensing
Temperature:	0 ° C to 55 ° C

Power Requirements

Current Draw:	22 VA min 3 wire plug pack adapter or transformer
Primary:	240 VAC / 18 VAC at 1.3A supplied by TF008-A Plug Pack
Secondary:	12 VDC / 6 Ah supplied by a rechargable sealed lead/acid battery

Ordering information

CC500 Solution 16i Control Panel
Includes control panel and enclosure
Order number **CC500**

CC500P Solution 16i Control Panel
Includes control panel PCB only
Order number **CC500P**

Accessories

CP510i 16 Zone Icon Code Pad
Order number **CP510i**

CP511i 16 Zone Proximity Icon Code Pad
Order number **CP511i**

CM704B 8/16 Zone Expansion Module
Order number **CM704B**

CM710B Output Expansion Module
Order number **CM710B**

CM195 Multi Receiver Interface
Order number **CM195**

Software Options

SW500 SolutionLink (RAS) Software
Order number **SW500**