CC110 Solution 64 Control Panel

www.boschsecurity.com

- 16 On-board Zones (expandable to 64 wired or wireless)
- 128 Users
- Partitionable to 8 Areas
- Proximity Keypad
- Flexible Reporting Options

Designed and manufactured in Australia to meet local and international requirements the Solution 64 panel offers an extensive feature list.

**System overview**

The Solution 64 Intrusion Control Panel offers an extensive feature listing including integrated proximity, numerous wire free options, high speed windows programming software and the simplest user – installer interface on the market today.

The Solution 64 is designed and manufactured in Australia to meet local and international requirements.

**Functions**

**Graphic User Interface**

The Graphic User Interface incorporates a text driven menu system very similar to that found on many mobile phones.

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 Graphic Keypad 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 (expandable to 64 wired or wireless)**

The Solution 64 can be expanded up to 64 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 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 zone's 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 64 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 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 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 64 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.

Integrated Access Control
Access control is no longer reserved only for larger more expensive systems. Proximity technology from Bosch provides an affordable and effective solution for up to 6 external readers in addition to the 8 proximity code pads, totalling 14 readers available for residential and small commercial installations.

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.

128 Users with flexible credentials and devices
Up to 128 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 64 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. Interactive voice reporting is also available as an option.

Multi Tennant
When enabled, the Multi tenant feature locks the first 48 users on the system to the first 48 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 Tennant feature is ideal for applications such as self storage centres or schools etc.

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 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

C-Tick Supplier Code: N12138
New Zealand Telepermit: PTC 211 / 06 / 009

Installation/configuration notes

Code pads
Any combination of CP100W, CP101W, CP110B or CP111B may be installed for up to 8 code pads in total.

Input Expansion
Wired or wireless zones may be configured in any quantity per area up to 64 zones. Input zone expansion options are:

Using CM104 zone expanders

<table>
<thead>
<tr>
<th>Single EOL</th>
<th>Alarm + Tamper</th>
<th>Split EOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solution 64</td>
<td>1 to 8</td>
<td>1 to 8</td>
</tr>
<tr>
<td>CM104 #1</td>
<td>9 to 16</td>
<td>9 to 16</td>
</tr>
<tr>
<td>CM104 #2</td>
<td>17 to 24</td>
<td>17 to 24</td>
</tr>
<tr>
<td>CM104 #3</td>
<td>25 to 32</td>
<td>25 to 32</td>
</tr>
<tr>
<td>Total Zones</td>
<td>32</td>
<td>32</td>
</tr>
</tbody>
</table>

Using CM105 and CM106 zone expanders

<table>
<thead>
<tr>
<th>Single EOL</th>
<th>Alarm + Tamper</th>
<th>Split EOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solution 64</td>
<td>1 to 8</td>
<td>1 to 8</td>
</tr>
<tr>
<td>CM105</td>
<td>17 to 32</td>
<td>17 to 32</td>
</tr>
<tr>
<td>CM106 #1</td>
<td>33 to 40</td>
<td>33 to 40</td>
</tr>
<tr>
<td>CM106 #2</td>
<td>41 to 48</td>
<td>41 to 48</td>
</tr>
<tr>
<td>Total Zones</td>
<td>40</td>
<td>40</td>
</tr>
</tbody>
</table>

Output Expansion and External readers
Up to 3 x CM110 output expanders may be included in the system to achieve a total of 16 outputs and 6 external proximity readers (PR100).

Output and proximity reader mapping

<table>
<thead>
<tr>
<th>Output Number</th>
<th>Reader Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solution 64</td>
<td>n/a</td>
</tr>
<tr>
<td>CM110 #1</td>
<td>5 to 8</td>
</tr>
<tr>
<td>CM110 #2</td>
<td>9 to 12</td>
</tr>
<tr>
<td>CM110 #3</td>
<td>13 to 16</td>
</tr>
</tbody>
</table>

Note: Proximity readers 1-8 are reserved for code pad readers.

Access Control Capacity
Using 8 proximity enabled code pads and 3 x CM110 expansion cards a total of 8 internal and 6 external readers may be included on the system.

Power supply
Up to 3 x CM120 1Amp LAN Power supply modules may be included to provide LAN voltage regeneration and power to other modules.

Wireless Receivers - Bosch
One Bosch DSRF receiver RF3212E may be connected directly to the receiver / key switch input. Up to 3 x wireless receivers may be connected using the CM195.

Wireless Receivers - non Bosch
Support for non Bosch wireless equipment is also enabled via inclusion of the CM195. Up to 3 receivers of the same make and model may be installed.

Technical specifications

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

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
Secondary: 12 VDC / 7.2 Ah supplied by a rechargeable sealed lead/acid battery

Environmental Considerations
Humidity: 5 to 85 % at 30 °C noncondensing
Temperature: 0 °C to 55 °C

Cable Considerations
LAN length Total LAN length 305m using 14 / 0.8 mm 2 (22 AWG) cable

Communications
CID, SIA, SMS Domestic dialling

Ordering information
CC110 Solution 64 Control Panel Includes control panel and enclosure
Order number CC110

CC110P Solution Control Panel
Includes control panel PCB only
Order number CC110P

Accessories
Standard Graphic Code Pad - White
Order number CP100W

Standard Graphic Code Pad - Black
Order number CP110B
Graphic Code Pad with Proximity - White
Order number CP101W

Graphic Code Pad with Proximity - Black
Order number CP111B

CM104 8 to 16 Zone Expansion Module
Order number CM104

CM105 16/32 Zone Expansion Module
Order number CM105

CM106 Zone Piggy Back Expansion Module
Order number CM106

CM110 Output Expansion Module
Order number CM110

MW710B Large Enclosure
Order number MW710B

CM255B Default Key
Order number CM255B

PR100 Proximity Reader
Order number PR100

CM120 LAN Power Supply
Order number CM120

CM195 Multi Receiver Interface
Order number CM195

PR200 Prox Token - Grey
Order number PR200

PR250 Prox Iso Card
Order number PR250

PR260 Prox Clam-Shell Card
Order number PR260

PR201B Prox Token - Black Key
Order number PR201B

Software Options
SW500 SolutionLink (RAS) Software
Order number SW500