

# CC110 Solution 64 Control Panel



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

- ▶ **16 On-board Zones (expandable to 64 wired or wireless)**
- ▶ **128 Users**
- ▶ **Partitionable to 8 Areas**
- ▶ **Proximity Keypad**
- ▶ **Flexible Reporting Options**
- ▶ **Integrated Access Control**
- ▶ **Fully Menu Text Programmable**
- ▶ **Programmable via Solutionlink Software (Remote / Direct)**
- ▶ **Telephone Line Fail Monitor**

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 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 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

	Single EOL	Alarm + Tamper	Split EOL
Solution 64	1 to 8	1 to 8	1 to 16
CM104 #1	9 to 16	9 to 16	16 to 32
CM104 #2	17 to 24	17 to 24	33 to 48
CM104 #3	25 to 32	25 to 32	49 to 64
<b>Total Zones</b>	<b>32</b>	<b>32</b>	<b>64</b>

Using CM105 and CM106 zone expanders

	Single EOL	Alarm + Tamper	Split EOL
Solution 64	1 to 8	1 to 8	1 to 16
CM105	17 to 32	17 to 32	17 to 48
CM106 #1	33 to 40	33 to 40	49 to 64
CM106 #2	41 to 48	41 to 48	n/a
<b>Total Zones</b>	<b>40</b>	<b>40</b>	<b>64</b>

### 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

	Output Number	Reader Number
Solution 64	1 to 4	n/a
CM110 #1	5 to 8	9 to 10
CM110 #2	9 to 12	11 to 12
CM110 #3	13 to 16	13 to 14

*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 14/020 0.8 m m 2 (22 AWG) cable

### Communications

CID, SIA, SMS: Domestic dialling

## Ordering Information

<b>CC110 Solution 64 Control Panel</b> Includes control panel and enclosure	<b>CC110</b>
<b>CC110P Solution Control Panel</b> Includes control panel PCB only	<b>CC110P</b>
<b>Accessories</b>	
<b>Standard Graphic Code Pad - White</b>	<b>CP100W</b>
<b>Standard Graphic Code Pad - Black</b>	<b>CP110B</b>
<b>Graphic Code Pad with Proximity - White</b>	<b>CP101W</b>
<b>Graphic Code Pad with Proximity - Black</b>	<b>CP111B</b>
<b>CM104 8 to 16 Zone Expansion Module</b>	<b>CM104</b>
<b>CM105 16/32 Zone Expansion Module</b>	<b>CM105</b>
<b>CM106 Zone Piggy Back Expansion Module</b>	<b>CM106</b>
<b>CM110 Output Expansion Module</b>	<b>CM110</b>
<b>MW710B Large Enclosure</b>	<b>MW710B</b>
<b>CM255B Default Key</b>	<b>CM255B</b>
<b>PR100 Proximity Reader</b>	<b>PR100</b>
<b>CM120 LAN Power Supply</b>	<b>CM120</b>

**Ordering Information**

<b>CM195 Multi Receiver Interface</b>	<b>CM195</b>
<b>PR200 Prox Token - Grey</b>	<b>PR200</b>
<b>PR250 Prox Iso Card</b>	<b>PR250</b>
<b>PR260 Prox Clam-Shell Card</b>	<b>PR260</b>
<b>PR201B Prox Token - Black Key</b>	<b>PR201B</b>
<b>Software Options</b>	
<b>SW500 SolutionLink (RAS) Software</b>	<b>SW500</b>

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