



## *HomeSafe C-Bus Enabled Alarm Panel*

### 5400/16CB Series

The Clipsal HomeSafe C-Bus Enabled Alarm Panel provides the most advanced features required for today's security applications. Clipsal's HomeSafe Alarm Panel delivers intelligence and flexibility for residential and commercial installations.

The HomeSafe Panel features 16 Zones of detection, allowing a combination of movement, window and door sensors.

The 5400/16CB interfaces to a C-Bus system and events such as Armed, Disarmed and Alarm can be used for lighting and other C-Bus control functions. The Panel can be used to map 16 security events to 16 C-Bus Commands. (Please refer to the table on the following page).

It is also possible to arm the security panel from C-Bus by use of an ON command to an installer's specified Group Address.

This option allows any combination of Area 1, Area 2, or both to be armed using a C-Bus Group Address ON command.

Full control of the system is provided with an easy-to-use keypad, which also provides information at a glance. Additionally, the new inbuilt Access Control function allows users to arm and disarm the system using proximity access cards. A maximum of three Wiegand card readers can be used, each having a unique address allowing the swiping at that location to just open the local door latch.

The Clipsal HomeSafe Alarm Panel offers a choice of additional products to suit your needs. Wireless detection devices are available to make installation easy in difficult locations and a new range of accessory boards includes a Four Relay Board, an Access

Control Reader Interface and new Output Expander. Upload/Download Software is also available.

The HomeSafe Panel is powered from the mains supply with battery backup fitted as standard. The new heavy duty housing is constructed of impact resistant polycarbonate and fitted with multiple standoff positions, cable tie loops, cable/conduit entry points and unique slide-in carriers for the new accessory boards.

## Features & Characteristics

### Main Software Features:

- 56 user codes can be assigned to 3 to 6 digit PIN codes with keypad options including Area assignment, Arm Only options, Code Only arming and much more
- two button arming feature
- fire alarm feature with different siren tones
- input to output mapping
- programmable 2 area partitioning with overlapping of zones in areas allowed
- programmable sensitivity for vibration sensors - zone by zone basis
- programmable Long Response times for zones (1 sec or 3 sec)
- monitor mode and Day Zone feature
- temporary Day Zone feature for Day Zone setup "On the fly"
- single or double trigger option on a zone-by-zone basis
- supports up to 55 radio keys
- access Control feature with provision for 3 Readers
- supports up to 55 Proximity Access Cards or Fobs
- uses upload / download software package
- secure DTMF remote arming / disarming capabilities
- programmable siren / reset lockout
- 30 event memory from keypad
- expanded event memory can be accessed by software
- disable unused zones feature
- siren chirp / strobe flash on radio key arming with 'quiet chirp' option
- quiet chirps on Arm / Disarm option.

CATALOGUE NO.	Description
5400/16CB	Security Panel, 16 zone, LCD keypad, battery backup
5400EX8	Output expander, 8 auxiliary outputs
5400ACR	Access Control Wiegand Reader
5400RWC	Read/Write Access Control Card
5400/4R	Relay Board 4 Channel

### Main Hardware Features:

- 16 fully programmable zones
- 16 physical zone inputs or zone split option
- 2 additional 24 hr inputs
- end of Line supervision 2K2 or 3K3 programmable
- supports up to 3 remote LED or LCD Keypads
- plug-in Radio Interface supports any HomeSafe radio device
- reader port connects up to 3 addressable access control readers
- fast direct connect upload / download via the Serial port.
- output Expander option
- new LISTEN pins allow the installer to diagnose dialer tones on site
- true dynamic battery test hourly
- 4 programmable auxiliary outputs
- programmable REX inputs for access control
- automatic resetting fuses on all outputs
- optional latching or momentary key switch arming option
- option for an extension sonalert to mimic all keypad beeps
- plug in accessory boards available
- complies with all relevant Australian and CE standards.

### Dialler Features:

- full remote upload / download by PC and modem using software
- remote control of outputs via telephone
- contact ID Format - two 14 digit phone numbers plus a "follow me" number
- audible format feature
- phone line monitoring (activates output)
- dialler 'listen in' option for installers
- auto test calls
- pulse or DTMF dialling
- true dial tone detection
- hex programmable client codes
- C-Bus Failure Reporting.

#### SECURITY PANEL EVENTS

Zone unsealed always  
 Zone unsealed & panel armed  
 Zone unsealed & panel disarmed  
 End exit delay  
 Panel Disarmed  
 Panel Armed

Can be mapped to

#### C-BUS COMMANDS

Set C-Bus Group Address to OFF  
 Set C-Bus Group Address to ON  
 Ramp to Group Address to level x over y seconds  
 Pulse C-Bus Group ON for x seconds  
 Pulse C-Bus Group OFF for x seconds  
 Set Trigger Control Group Address ON  
 Set Trigger Control Group Address OFF  
 Set Trigger Control Group Address to level x  
 Set Enable Control Group Address to level x

## Technical Specifications

<b>CATALOGUE NO.</b>	<b>5400/16CB Series</b>
<b>Box Dimensions</b>	235 x 300 x 90 mm (WxHxD)
<b>Plug Pack</b>	240 V a.c., output 17 V a.c. @ 1.4 A
<b>Power Supply</b>	13.8 V d.c. @ 800 mA
<b>Quiescent Current Draw</b>	80 mA with 1 keypad
<b>Operating Voltage</b>	9.5 V to 14V d.c.
<b>Rechargeable Battery</b>	12 volt 7.0 Amp / hour Sealed Lead Acid
<b>Battery Charging Current</b>	350 mA maximum, current limited
<b>Dynamic Battery Test</b>	Backup battery is tested under load, hourly and on arming
<b>Fuses</b>	2 Amp auto resetting / Siren output and reset output 500 mA auto resetting / 12 volt auxiliary outputs 200 mA auto resetting / strobe output
<b>Zone Inputs</b>	16 zone inputs. 2 x 24hr tamper inputs Zone split option uses 3k3 + 4k4
<b>End of Line Resistor</b>	2200 Ohms (2K2) or 3K3 programmable
<b>Maximum Keypads</b>	3
<b>RADIO Header</b>	Multi-Pin connector for the Clipsal Radio Interface. Cat. No.: 5400RF
<b>SERIAL Header</b>	Serial data port for direct connect programming using software. Cat. No.: 5400S/2
<b>READER Header</b>	Multi-pin port for connecting to 1 proximity access card readers. Cat. No.: 5400ACR
<b>Siren output</b>	On board siren driver with timed output Maximum 3 x 8 Ohm horn speakers
<b>Strobe output</b>	12 V d.c. timed output. Maximum 2 x 1 Watt strobe lights
<b>Reset output</b>	12 V d.c. timed output. Maximum 3 x 12 V piezo screamers
<b>Equipment power output</b>	13.8 V d.c. output for powering detectors and other equipment. Maximum 500mA
<b>AUX Header</b>	Multi-pin connector provides outputs Aux1, Aux2, Aux3, Aux4, 12 V d.c. Cat. No.: 5400/4R
<b>C-Bus Interface</b>	16 security events mapped to 16 C-Bus commands pulse, ramp, on/off, trigger & enable Panel arming from C-Bus command

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