"The Installer's Choice for security and value"

D•8X
DIALLER SECURITY ALARM PANEL

D•16X
DIALLER SECURITY ALARM PANEL

D8x & D16x - The most versatile and flexible 8 & 16 Zone Ness Control Panels ever!

Wide choice of keypads

Wide range of optional Ness Radio Accessories

Fingerprint RF Card

Onboard Access Control

Optional operation by smartphone*

Dial-up or Direct connect

Optional programming by NessComms software#

C-Bus ENABLED

Compatible with optional Ness MiniCentral C-Bus interface

AUTO TIME

Scheduled Arming/Disarming, AUX outputs, User Code enable

MADE IN AUSTRALIA

2 YEARS WARRANTY

Ness D8x/D16x control panels are proudly made in Australia with the needs of Australian installers and users in mind. Featuring 8 or 16 zones plus separate tamper inputs, 56 user codes, two area partitioning, Ness radio device support, internet suppprt, 3 door access controller onboard, day mode, home mode, programmable EOL resistors, programmable vibration anlayser for each zone, true dynamic battery test, programmable aux outputs, Contact ID and Voice dialler and much more.

AUTO-TIME
D8x/D16x has sophisticated automation control allowing:

- Arm and Disarm automatically at pre-programmed times / day / day of week.
- Turn outputs on or off at pre-programmed times - daily, weekly, anytime.
  Automate doors, sprinkler systems, lights and more.
- Enable/disable user codes depending on the time of day or day of the week.

SMARTPHONE OPERATION
Control of your D8x/D16x control panel from home, office, anywhere in the world using your iPhone/iPad or Android Smartphone.
Arm, Disarm, View zone status, Activate emergency alarms, Control the panel outputs (D8x/D16x V7.8 and later). iComms and aComms apps available from iTunes and Google Play.

ACCESS CONTROL ONBOARD
New access control features with flexible programming options. Connect up to three access control proximity Weigand readers. Use the access control option to open electric door locks or arm/disarm the panel or both!

Ness CORPORATION

Security and Automation Solutions   www.nesscorporation.com

Control Panel Features

- 8 or 16 alarm zones.
- Supports up to 3 keypads (Navigator, Saturn or LCD)
- 56 user codes can be programmed to operate by keypad PIN, radio key or access card.
- Optional Ness Radio Interface for fully integrated wireless security.
- 3 Door Access Controller onboard with support for Weigand prox or fingerprint readers.
- Programmable Two Area partitioning can split the panel into two independent areas plus a common area.
- Real Time Clock with AutoTime features - auto arm/disarm, auto aux outputs, time based user control.
- Home Mode allows partial arming, (eg, perimeter security overnight).
- Day Mode feature allows daytime monitoring of fire doors, coolrooms etc.
- Temporary Day Zones allows easy enabling/disabling of Day Mode.
- Keypad Panic & Duress feature.
- Two button arming feature.
- Fire Alarm feature with different siren tones.
- Highly flexible zone to output mapping.
- Onboard Vibration Sensor Analyser with programmable sensitivity. Use with Nessensor™ vibration sensors.
- Multiple programmable EOL resistor values from 0k to 22k (2k2 resistors supplied).
- Siren chirp and strobe flash on arming with radio key.
- Quiet chirps option on arm/disarm by radio key.
- True Dynamic Battery Test actively tests the battery under load every hour and every time a keypad code is entered.
- 4 programmable auxiliary outputs.
- Enhanced serial data input/output via RS232.
- Automatic reset fuses.
- 30 event memory can be reviewed by keypad or 80 event memory when using the Ness Navigator keypad or Ness-Comms software.
- Standard defaults to suit most applications.
- Easy programming by keypad or NessComms™ software.
- All programming data is permanently stored in a non-volatile memory.
- All inputs and outputs are heavily protected against lightning and high voltage supply transients.

INTERNET READY
- Supports mobile control using Ness iComms/aComms iPhone/iPad and Android apps and optional ethernet adapter.

C-BUS SUPPORT
- Ness MiniCentral option provides support for up to 255 individual C-Bus lights or outputs. Includes full dimming, On/Off and toggle commands with true 2 way communications on the C-Bus network.

DIALLER
- Full remote upload/download by PC and modem using Ness-Comms™ software.
- View system status and arm/disarm using NessComms™.
- Remote control of outputs via telephone.
- Contact ID Format - Two 14 digit phone numbers plus one "follow me" number.
- Audible Voice format feature.
- Phone line monitoring (activates output).
- Dialler 'Listen in' option for installers.
- Auto Test calls.
- Pulse or DTMF dialling with true dial tone detection.

Keypad Choice

NESS SATURN KEYPAD - proving that alarm keypads can be beautiful as well as functional.

Saturn's elegant design has a distinctive look and feel of luxury with a glossy glass-look fascia and satin finish tactile buttons making it a pleasure to see and use.

The high contrast icon LCD display has gentle white back-lighting which switches to red to indicate alarm memory. The LCD brightness, key backlighting and beep volume are all user adjustable to suit individual preferences.

Saturn keypad is partially recessed to present an extremely low profile with an optional surface mount housing is available for installing on solid walls.

Available in White, Black and Ocean Mist.

NESS NAVIGATOR TOUCH SCREEN KEYPAD provides the user and installer with unrivalled ease of use combined with attractive looks.

Navigator's self-explanatory on screen operation guides provide plain English displays and intuitive touch screen operation.

Navigator's many display screens make it easy to view all your zones with your own text descriptions, get help and prompts for arming. disarming, operating outputs, emergency alarms and much more.

Available in white with optional black and silver fascias.

NESS KPX KEYPAD features a high-contrast LCD display with blue backlighting.

KPX has backlit tactile rubber buttons and a key protection flap. Customise the keypad with the adjustable keypad beep volume and LCD brightness.

Internet Ready

Mobile control for your D-8X D-16X panels

NESS iCOMMS & aCOMMS APPS for mobile control of your D8x/16x control panel from home, office, anywhere in the world using your iPhone/iPad/Smartphone.

Arm, Disarm, View zone status, Operate emergency alarms[1], Control the panel outputs[2], open & close roller doors, operate lighting, pool pumps, sprinklers or any other device which can be controlled by the D8x/D16x relay outputs.

Home & Business Options

NESS D8x/D16x control panels offer the widest possible combination of standard features and options to provide users and installers with the most powerful and flexible security panels ever made by Ness.

HOME users will appreciate Ness Navigator, Saturn and KPX keypads where good looks and ease of use are just as important as the wide range of wireless and hardwired sensors, radio keys and home automation options. Home users might choose to monitor the system via the onboard voice dialler to their own mobile phone or use the central station option for 24 hour monitoring.
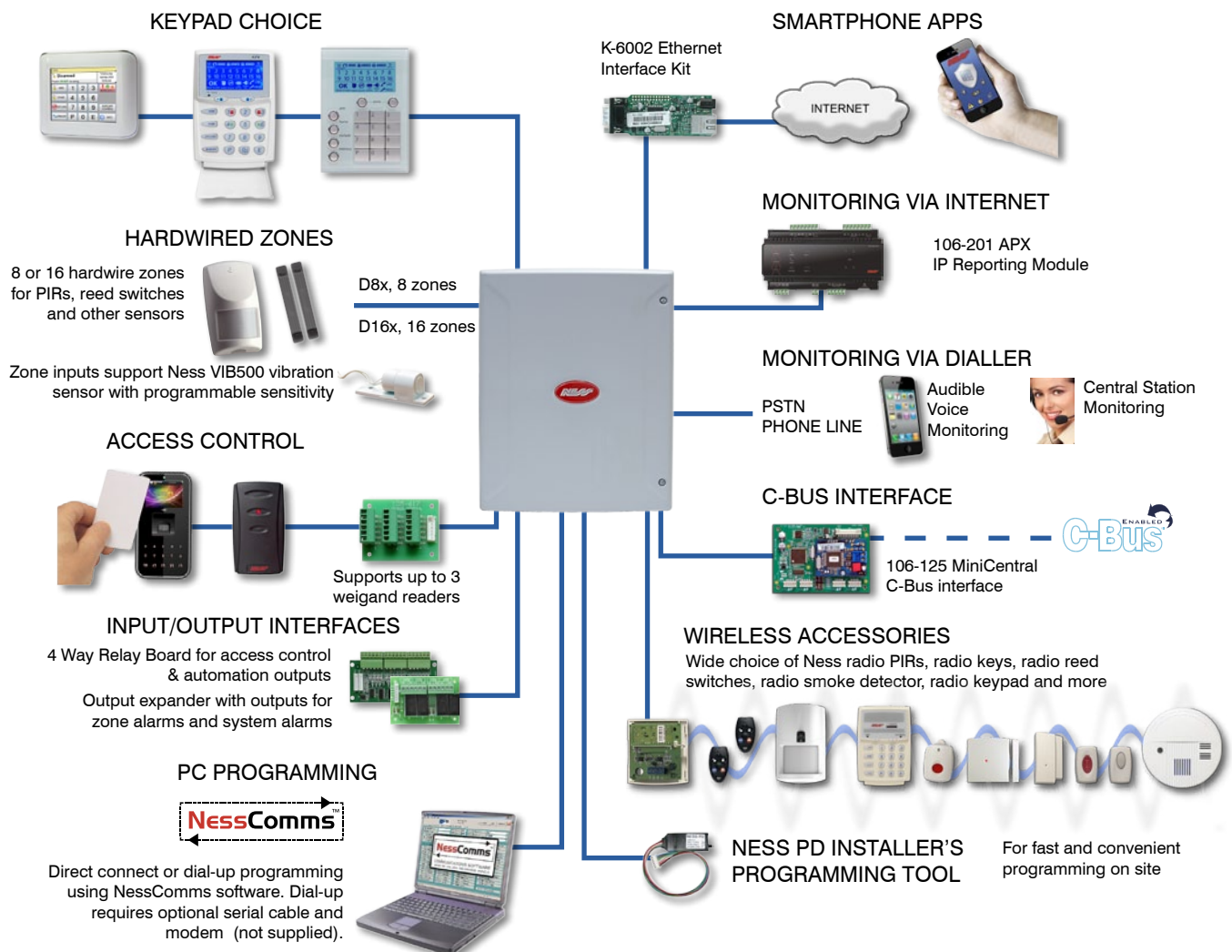
BUSINESS users have the choice of D8x 8 zone or D16x 16 zone panels when protection of multiple zones is required on a larger site. The onboard Auto-Time feature can take care of scheduled arming/disarming and even programmable time windows for staff access to the premises.

The onboard three door access controller can be programmed to grant entry and exit using prox access cards/fobs, operate electric door locks and even arm/disarm the system by access card.

Business users can choose to monitor the system using the onboard telephone dialler or via the internet monitoring option (Ness APX).

Ness D8x/D16x is the owner and installer's choice for home and business security!

System Overview

KEYPAD CHOICE

SMARTPHONE APPS

K-6002 Ethernet Interface Kit

INTERNET

HARDWIRED ZONES

8 or 16 hardwire zones for PIRs, reed switches and other sensors

D8x, 8 zones

D16x, 16 zones

Zone inputs support Ness VIB500 vibration sensor with programmable sensitivity

MONITORING VIA INTERNET

106-201 APX IP Reporting Module

MONITORING VIA DIALLER

PSTN PHONE LINE

Audible Voice Monitoring

Central Station Monitoring

ACCESS CONTROL

Supports up to 3 weigand readers

C-BUS INTERFACE

106-125 MiniCentral C-Bus interface

INPUT/OUTPUT INTERFACES

4 Way Relay Board for access control & automation outputs

Output expander with outputs for zone alarms and system alarms

WIRELESS ACCESSORIES

Wide choice of Ness radio PIRs, radio keys, radio reed switches, radio smoke detector, radio keypad and more

PC PROGRAMMING

NessComms

Direct connect or dial-up programming using NessComms software. Dial-up requires optional serial cable and modem (not supplied).

NESS PD INSTALLER'S PROGRAMMING TOOL

For fast and convenient programming on site

This diagram is intended as a system overview and is not a wiring guide.

Control Panel Specifications

BOX DIMENSIONS	235w x 300h x 90d mm
PLUG PACK	240V AC, output 17V AC@1.4A
QUIESCENT CURRENT DRAW	80mA with 1 keypad
OPERATING VOLTAGE	9.5V– 14V DC
RECHARGEABLE BATTERY	12 volt 7.0 Amp/hour Sealed Lead Acid
BATTERY CHARGING CURRENT	350mA maximum, current limited
DYNAMIC BATTERY TEST	Backup battery is tested under load, hourly and on arming
FUSES	2 Amp auto resetting / Siren output & Reset output 500mA auto resetting / 12 volt auxiliary outputs 200 mA auto resetting / strobe output
ZONE INPUTS	8 or 16 zone inputs. 2 x 24hr tamper inputs
END OF LINE RESISTOR	Choice of 12 programmable values including N/C. Default 2200 Ohms (2.2k)
MAXIMUM KEYPADS	3
RADIO HEADER	Multi-pin connector for the Ness Radio Interface
SERIAL HEADER	Serial data port for 1. Direct connect programming using NessComms™ software. 2. Two way serial data (V5.6+) 3. Ethernet interface
READER HEADER	Multi-pin port for connecting up to 3 Ness proximity access card readers via 106-012 Weigand Interface
SIREN OUTPUT	Siren driver with timed output. Max 3 x 8 Ohm horn speakers
STROBE OUTPUT	12V DC timed output. Maximum 2 x 1 Watt strobe lights
RESET OUTPUT	12V DC timed output. Max. 3 x 12V piezo screamers
EQUIPMENT POWER OUTPUT	13.8V DC output for powering detectors and other equipment. Maximum 500mA
AUX HEADER	Multi-pin connector provides outputs Aux1, Aux2, Aux3, Aux4, 12V DC

Keypad Specifications

	NAVIGATOR KEYPAD	SATURN KEYPAD	KPX KEYPAD
DIMENSIONS	108w x 86h x 15d mm	89w x 130h x 15receess mm	90w x 135h x 27d mm
DISPLAY TYPE	3.5" Colour LCD	Backlit LCD	
DISPLAY RESOLUTION	320 x 240	Icon Display	
USER INPUT	Touch sensitive surface	Tactile flat keys	Tactile rubber keys
COMPATIBILITY	D8x & D16x panels V7 and later	D8x & D16x panels V6 and later	
DATA	4 wire proprietary Ness data bus		
OPERATING VOLTAGE	12VDC supplied by the control panel		

Ordering Information

CONTROL PANEL KITS
K-6008   D8x PANEL inc NAVIGATOR KEYPAD
K-6012   D8x NAVIGATOR PANEL & SIREN KIT
K-6005   D8x PANEL inc SATURN KEYPAD - WHITE
K-6004   D8x PANEL inc SATURN KEYPAD - OCEAN MIST
K-6003   D8x PANEL inc SATURN KEYPAD - BLACK
K-6006   D8x PANEL inc White LCD Keypad
K-6007   D8x PANEL inc Silver LCD Keypad
K-6011   D8x PANEL & SIREN KIT inc LCD KEYPAD
K-6215   D8x NAVIGATOR DELUXE KIT
106-018   D8x PANEL - no keypad

K-6206   D16x PANEL inc NAVIGATOR KEYPAD
K-6213   D16x NAVIGATOR PANEL & SIREN KIT
K-6203   D16x PANEL inc SATURN KEYPAD - WHITE
K-6201   D16x PANEL inc SATURN KEYPAD - OCEAN MIST
K-6202   D16x PANEL inc SATURN KEYPAD - BLACK
K-6204   D16x PANEL inc White LCD Keypad
K-6205   D16x PANEL inc Silver LCD Keypad
K-6210   D16x PANEL & SIREN KIT inc LCD KEYPAD
K-6216   D16x NAVIGATOR DELUXE KIT
106-019   D16x PANEL - no keypad

K-6014   D8x Panel in 14" Metal Housing - no keypad
K-6015   D8x Panel in 28" Metal Housing - no keypad
K-6211   D16x Panel in 14" Metal Housing - no keypad
K-6212   D16x Panel in 28" Metal Housing - no keypad

iComms & aComms require D8x/D16x V5.6 or later ([2] requires V7.8 or later to operate panel outputs). Internet connection requires optional 101-244 Ethernet adapter, 450-185 RS232 cable. iPhone/iPad/Smartphone not included.
[1] Emergency alarms must be enabled in the control panel to be available in iComms and aComms.
iComms apps can be purchased from iTunes. aComms app can be purchased from Google Play.
[3]NessComms requires serial cables and modem, not included.
All accessories and interfaces are sold separately.

Optional Accessories

CONTROL PANEL ACCESSORIES
106-011 Output Expander
106-013 4 Relay Board
106-012 Reader Interface
100-200 Radio Interface
K-6002 Internet Kit inc 101-244 IP232 Ethernet Module & 450-185 RS232 cable

INTERFACES
106-201 Ness APX IP Reporting Module
106-125 Ness MiniCentral C-Bus Interface
106-017 Ness-PD Portable download tool

KEYPAD ACCESSORIES
106-133 Backbox to suit Saturn keypad - for hard surface mounting
165-437 Backbox to suit Navigator keypad - for hard surface mounting
106-123 BLACK fascia only for Navigator keypad
106-132 SILVER fascia only for Navigator keypad

Innovative Electronic Solutions
www.nesscorporation.com