



D8x D16x

DELUXE

"The Installer's Choice for security and value"

The most powerful and flexible D8x/D16x Control Panels ... ever!



Wide choice of keypads



Wide range of optional Ness Radio Accessories



Optional programming by NessComms software*



by **NESS**



Onboard Access Control



Optional operation by smartphone*



Scheduled Arming/Disarming, AUX outputs, User Code enable



8 or 16 Hardwired or Wireless zones



Auto-Time Automation



8 x AUX Outputs



Various Keypad Options



Operation by Smartphone / Internet



Landline Dialler*



Voice Alarms & Prompts



Access Control onboard



Powerful Wireless Options



Easy Programming via Keypad



Fast Programming via PC



Free NessComms Installer Software



On-Site Programming via PD Tool



Back To Base via third party devices*



Adjustable Vibration Inputs on all Zones



Area Partitioning



Dual Voltage 17VAC & 20VDC

* MONITORING ADVISORY

The traditional PSTN Landline telephone network has been decommissioned across most of Australia as part of the nationwide NBN rollout. As a result, this product is no longer capable of reporting alarms by telephone. However, it can still be used as a local alarm system.

For back to base monitoring we recommend the Ness XCEL 4G or DPlus range of alarm panels using Armor-IP reporting format.

Control Panel Features

NEW IN VERSION 8

- New PCB layout
- Now with 8 AUX outputs (1-4 on relay board or 1-8 on output expander/s)
- Voice alarms and voice prompts using a preset voice message library
- Real time clock onboard
- New connectors for the Serial port and Listen-in header
- Tamper/Prog link moved to corner of pcb for better accessibility
- Many new program options to cater for expanded AUX outputs

D8x/D16x 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 for daytime security of fire doors, coolrooms etc.
- Temporary Day Zones allows easy enabling/disabling of Day Mode.
- Keypad Panic & Duress 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.
- 8 programmable auxiliary outputs.
- Enhanced serial data input/output via RS232.
- Automatic reset fuses.
- 30 event memory can be reviewed by LCD keypad or 80 event memory when using the Ness Navigator keypad or NessComms 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.
- Dual voltage power input, 17VAC or 20VDC.

INTERNET READY

- Supports mobile operation using Ness Mezzo free app and optional Ness-Bridge ethernet adapter.

DIALLER

- Local upload/download using NessComms™ software direct-connect.
- Contact ID central station monitoring format (available via the on-board landline dialler using third party communicators at the installer and user's own risk.)

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 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



Free App



Ness Mezzo free app for iOS and Android.

Mezzo app used with Ness-Bridge provides handy remote operation features for your Ness control panels. Search Google Play and Apple App Store for MEZZO by Ness Corporation.

Requires the optional Ness-Bridge internet interface and D8X/D16X rev6 or later..

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.

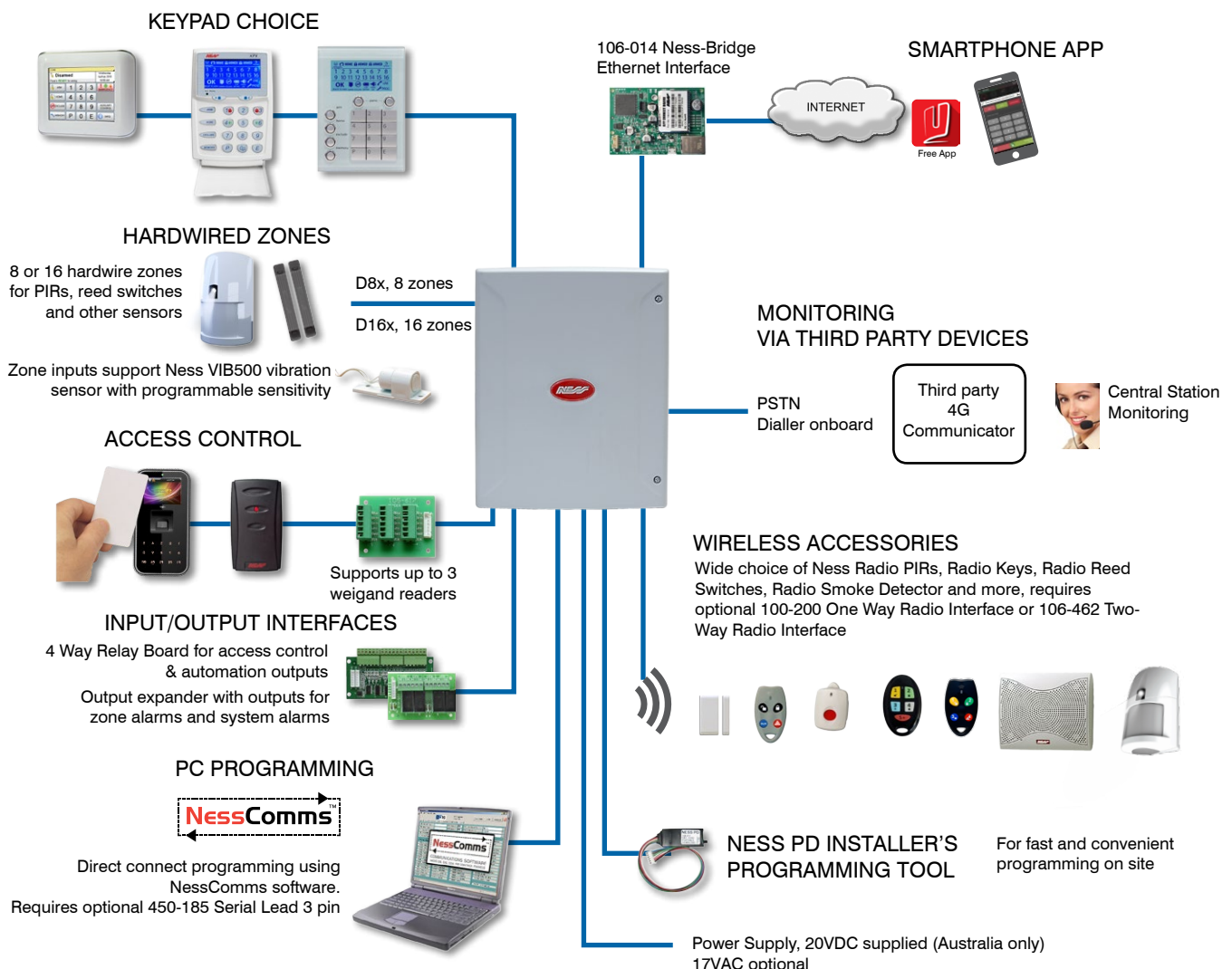
BUSINESS users have the choice of D8x 8 zone or D16x 16 zone panels when protection of multiple zones is required on a larger site. The onboard Auto-Time feature can take care of scheduled arming/disarming and even programmable time windows for staff access to the premises.

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 interfaced with a third party 4G communicator.

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

System Overview



This diagram is a system overview not a wiring guide.

Control Panel Specifications

PLASTIC HOUSING DIMENSIONS	235w x 300h x 90d mm
POWER REQUIREMENT	Dual Voltage, 17VAC or 20VDC
QUIESCENT CURRENT DRAW	80mA with 1 keypad
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	Maximum 3x mixed keypads or 4x Navigator keypads per system
LISTEN HEADER	Output for audio alerts and dialler listen-in
RECEIVER HEADER	Multi-pin connector for the Ness Radio Interface
AUX HEADER	Multi-pin connector for 4 relay output board and connection for output expander/s
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	Supports up to three (3) weigand readers via the optional 106-012 Reader Interface
SIREN OUTPUT	Siren driver with timed output. Max 3 x 8 Ohm horn speakers
STROBE OUTPUT	12V DC timed output. Max. 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

Keypad Specifications

Keypad Specifications	NAVIGATOR KEYPAD			SATURN KEYPAD		KPX KEYPAD	
DIMENSIONS	108w x 86h x 15d mm		89w x 130h x 15reecess 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	13.8VDC supplied by the control panel						

Ordering Information

CONTROL PANEL KITS

K-6308 D8XD PANEL inc NAVIGATOR Keypad
 K-6312 D8XD NAVIGATOR PANEL & SIREN KIT
 K-6314 D8XD NAVIGATOR LUX HW KIT
 K-6305 D8XD PANEL inc SATURN KEYPAD WHITE
 K-6304 D8XD PANEL inc SATURN KEYPAD OCEAN MIST
 K-6306 D8XD PANEL inc White LCD Keypad
 K-6307 D8XD PANEL inc Silver LCD Keypad
 K-6311 D8XD PANEL & SIREN KIT inc LCD KEYPAD
 K-6315 D8XD PANEL & PIR KIT with LCD KEYPAD
 106-164 D8XD PANEL - no keypad
 K-6323 D16XD PANEL inc NAVIGATOR Keypad
 K-6313 D16XD NAVIGATOR PANEL & SIREN KIT
 K-6220 D16XD NAVIGATOR LUX HW KIT
 K-6320 D16XD PANEL inc SATURN KEYPAD WHITE
 K-6319 D16XD PANEL inc SATURN KEYPAD OCEAN MIST
 K-6318 D16XD PANEL inc SATURN KEYPAD BLACK
 K-6321 D16XD PANEL inc White LCD Keypad
 K-6322 D16XD PANEL inc Silver LCD Keypad
 K-6324 D16XD PANEL & SIREN KIT inc LCD KEYPAD
 K-6221 D16XD PANEL & PIR KIT with LCD KEYPAD
 106-165 D16XD PANEL - no keypad
 K-6014D D8x Panel in 14" Metal Housing - no keypad
 K-6015D D8x Panel in 28" Metal Housing - no keypad
 K-6211D D16x Panel in 14" Metal Housing - no keypad
 K-6212D D16x Panel in 28" Metal Housing - no keypad

All models include power supply and backup battery (Australia only)



Internet connection requires optional 106-014 Ness-Bridge Ethernet adapter (requires D8X/D16X rev6 or later).

* Emergency alarms must be enabled in the control panel to be available in iComms and aComms.

*NessComms requires serial cables not included.

All accessories and interfaces are sold separately.

Optional Accessories

CONTROL PANEL ACCESSORIES

106-101 Ness Navigator Touch Screen Keypad (Requires D8X/ D16X rev7 or later)

106-310 Ness KPX+ LCD Keypad - White
 106-328 Ness KPX+ LCD Keypad - Silver
 106-323-WHT Ness Saturn+ Premium keypad - White
 106-323-OMT Ness Saturn+ Premium Kp - Ocean Mist
 106-011 Output Expander
 106-013 4 Relay Board
 106-012 Reader Interface
 100-200 One Way Radio Interface
 106-462 X-TWR Two Way Radio Interface
 106-014 Ness-Bridge Ethernet Interface

KEYPAD ACCESSORIES

165-437 Backbox for Navigator kp - surface mounting
 106-123 BLACK fascia only for Navigator keypad
 106-132 SILVER fascia only for Navigator keypad



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