



# D8x D16x

## THE MOST ADVANCED NESS PANELS EVER!

**D8x**  
8 ZONES  
PLUS TAMPER

**D16x**  
16 PHYSICAL ZONE  
INPUTS  
OR ZONE SPLIT  
PROGRAMMABLE

## NEW X SERIES FEATURES

### 56 USER CODES

Each user code can be assigned to AREA1, AREA2, CODE ONLY ARMING, ARM ONLY, KEYPAD CODE, RADIO CODE, ACCESS CODE READER1, 2 OR 3.

### ACCESS CONTROL FUNCTIONS

New access control features with flexible programming options. Connect up to 3 access control proximity Weigand readers.

Use the access control option to open electric door locks or arm/disarm the panel or both!

### ARM/DISARM THE PANEL USING PROX CARDS

The access control feature allows up to 55 individual users to arm and disarm using proximity access cards. Prox cards can even be used to operate electric doors locks for secure hands free entry.

### MODULAR HOUSING

The new EB04 enhanced housing is tough and roomy with a removable lid for easy access. The housing is generously fitted with multiple standoff positions, cable tie loops, cable/conduit entry points and unique slide-in carriers for the new X Series accessory boards.

### ACCESSORIES

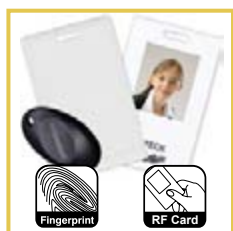
A new range of X Series slide-in accessory boards includes a four Relay Board, a Reader Interface and the new X Series Output Expander for both the D8x and D16x panels.



**KEYPAD OPERATION**  
Standard



**RADIO KEY OPERATION**  
Optional



**PROXIMITY CARD OPERATION**  
**FINGERPRINT OPERATION**  
Optional



**NEW ACCESSORY BOARDS**  
Optional

## MAIN SOFTWARE FEATURES

- 56 user codes can be assigned to 3 to 6 digits 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 (1sec or 3sec).
- 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 up to 3 Readers
- Supports up to 55 Proximity Access Cards or Fobs.
- Uses NessComms up/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 NessComms™.
- Disable unused zones feature.
- Siren chirp/strobe flash on radio key arming with 'quiet chirp' option.
- Standard defaults to suit most applications.
- Quiet chirps on Arm / Disarm option.
- and much more...

## MAIN HARDWARE FEATURES

- 8 or 16 Fully programmable zones.
- D16x has 16 physical zone inputs or Zone Split option.
- 2 additional 24hr inputs.
- End Of Line supervision 2K2 or 3K3 programmable.
- D8x supports up to 3 remote LED or LCD Keypads.
- D16x supports up to 3 remote LCD Keypads.
- Plug-in Radio Interface supports any Ness radio device
- New Serial port for connection to future accessories.
- Fast direct connect upload/download via the Serial port.
- Reader port connects up to 3 addressable access control readers
- Output Expander option for both D8x and D16x.
- New LISTEN pins allow the installer to diagnose dialler 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 keyswitch arming option.
- Option for an extension sonalert to mimic all keypad beeps.
- New attractive and versatile housing with installer friendly design.
- Plug in accessory boards available.
- Complies with all relevant Australian and CE standards.
- and much more...

## DIALLER

- Full remote upload/download by PC and modem using NessComms™ 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.



D8x Panel with LED keypad  
Part No. 106-000

D8x Panel with LCD keypad  
Part No. 106-001

D16x Panel with LCD keypad  
Part No. 106-004

X Series control panels are supplied complete with plug pack, 12V 7Ah battery, keypad, manuals and kit bag. Radio interface, radio devices, access control readers and accessories are sold separately.

# NESS X SERIES CONTROL PANELS

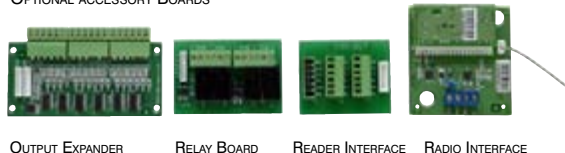
The heart of your  
security system

## D8x / D16x SPECIFICATIONS

Box dimensions	235w x 300h x 90d mm.
Plug pack	240V AC, output 17V AC@1.4A.
Power supply	13.8V DC @ 800mA.
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	2200 Ohms (2K2) or 3K3 programmable. D16 Zone Split option uses 3K3+4K7.
Maximum keypads	3.
RADIO Header	Multi-pin connector for the Ness Radio Interface.
SERIAL Header	Serial data port for direct connect programming using NessComms™ software.
READER Header	Multi-pin port for connecting up to 3 Ness proximity access card readers.
Siren output	On board siren driver with timed output . Maximum 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.



### OPTIONAL ACCESSORY BOARDS



OUTPUT EXPANDER

RELAY BOARD

READER INTERFACE

RADIO INTERFACE



OPTIONAL RADIO ACCESSORIES

OPTIONAL ACCESS CONTROL READERS



Security Products



Quality  
Endorsed  
Company  
ISO9001  
IEC29001  
NSW Head Office only