

## INSTALLATION & WIRING NOTES

# NAVIGATOR

## Touch Screen Keypad



Compatible with



Refer to the Compatibility Chart

**NEC**  
CORPORATION

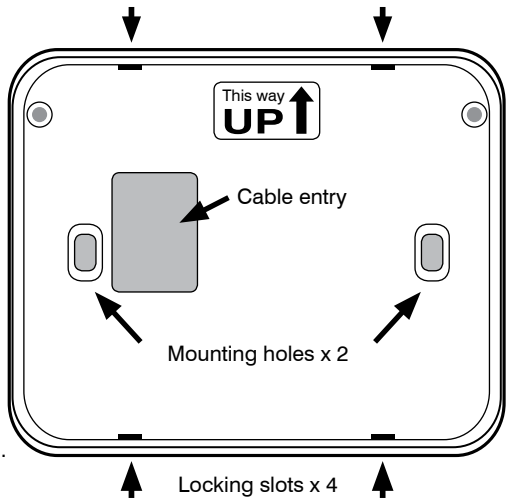
## Installation

To open the Navigator Touch Screen keypad, release the four locking slots with a small screwdriver.

Install the back housing on a flat surface using the two slotted mounting holes provided.

The alignment arrow indicates the correct way up.

Navigator Keypad back housing.



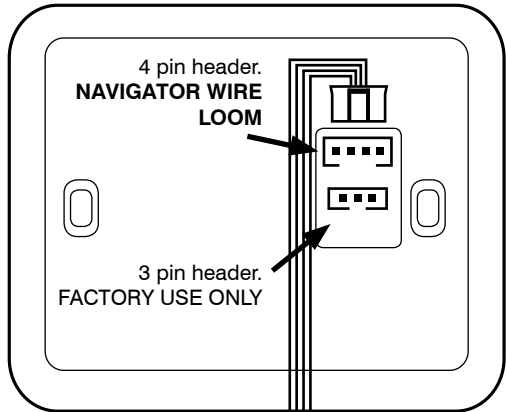
## Wiring

Navigator Touch Screen Keypad should be wired to the control panel using minimum 7/020 security cable.

Up to four Navigator keypads can be connected per control panel as long as the maximum current draw for all detectors and keypads is below 500mA.

Maximum allowable cable distance is 100m including cable to all keypads.

Wire additional keypads in "star" configuration to the control panel.



Navigator Keypad REAR

### DPlus/D8/D16 Main Board

	DAT	DAT	Blue
	CLK	CLK	White
	COM	COM	Black
	+12V	+12V	Red

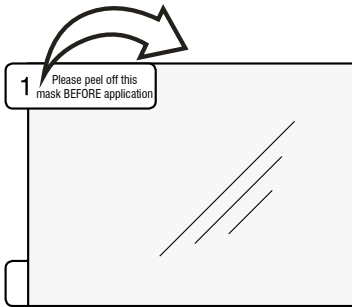
Crimp connectors  
(Supplied)

# Applying the Protective Film

Navigator Touch Screen Keypad is supplied with a self-adhesive screen protector to help protect the sensitive touch surface from marks and scratches which may appear under normal use. We highly recommend you apply the film to keep your touch screen looking brand new for years to come.

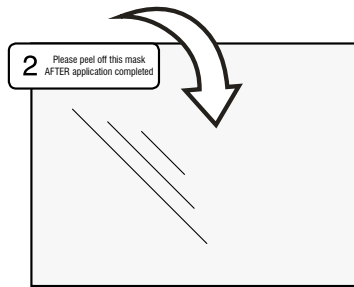
## STEP 1.

Use the Number 1 tab to peel off the self-adhesive backing.



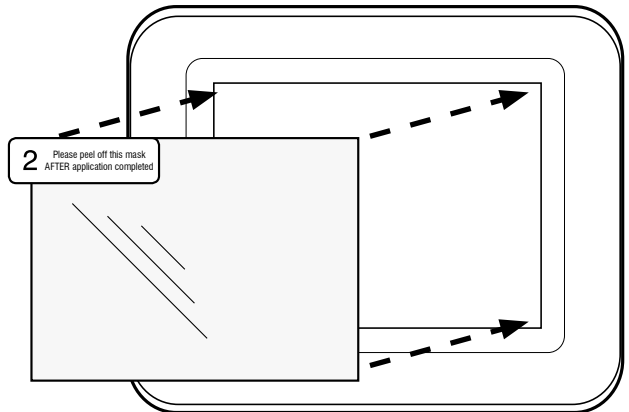
## STEP 2.

Flip the film over to position the No. 2 tab at the top left.



## STEP 3.

Holding the protective film by the No. 2 tab, carefully apply the film to the Navigator's screen. Start applying at one end and smooth the film as you go to remove any air bubbles.



## STEP 4.

Use the No. 2 tab to peel off and discard the topmost layer of the film. Your Navigator is now ready for use.

# Compatibility

	CONTROL PANEL VERSION				
	DPlus	D8/D16 XCEL 4G	D8/D16 XCEL 3G	D8X/D16X V7 and later	D8/D16
106-101 NAVIGATOR KEYPAD Rev 4.0 & later	YES	YES	YES	YES	NO
106-100 NAVIGATOR KEYPAD Rev 3.2 & later	NO	YES	YES	YES	NO
106-100 NAVIGATOR KEYPAD Up to Rev 3.1	NO	NO	YES	YES	NO

Navigator Touch Screen keypad is compatible with Ness DPlus, D8X/D16X, D8/D16 XCEL4G panels as per the compatibility chart.

## Specifications

DIMENSIONS	108w x 86h x 15d mm.
DISPLAY TYPE	3.5" Colour LCD
DISPLAY RESOLUTION	320 x 240
TOUCH SCREEN	Touch sensitive surface
COMPATIBILITY	DPlus, D8/D16XCEL, D8x/D16x panels version 7 and later
MAX. KEYPADS	4 x Navigator Touch Keypads per panel Maximum current draw for all detectors and keypads should not exceed 500mA.
OPERATING VOLTAGE	12VDC supplied by the control panel
CURRENT DRAW	25mA with 50% backlighting 50mA with 100% backlighting
DATA	2 wire proprietary Ness data bus



[www.ness.com.au](http://www.ness.com.au)

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NAVIGATOR TOUCH SCREEN KEYPAD  
INSTALLATION NOTES  
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