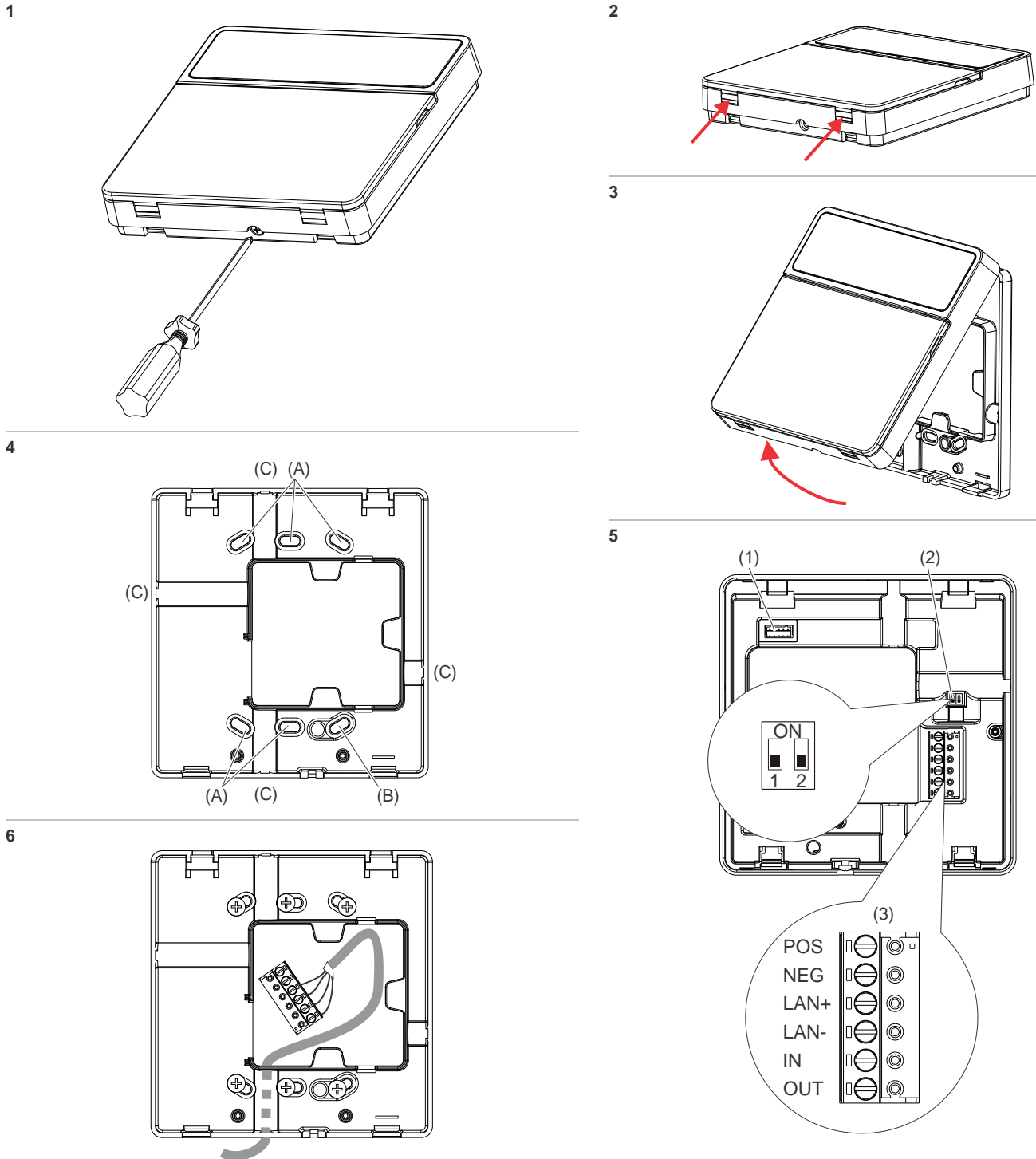
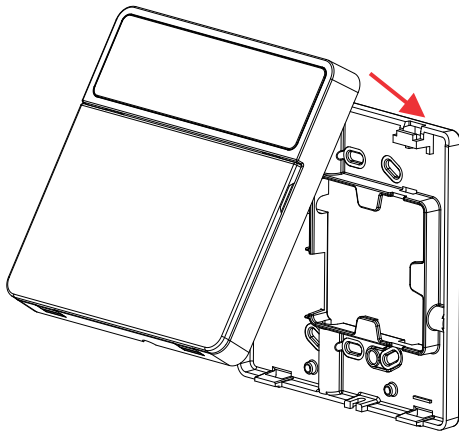


# NXG-183x Series Keypad Installation Sheet

EN





## EN: Installation Sheet

### Description

The NXG-183x series of keypads offers a range of keypads for the xGen and xGenConnect intrusion panel family. It offers a multicolour user interface, with clear graphical display and large buttons for ease of operation. A system can have up to 16 keypads installed.

The following keypad variants are available:

- NXG-1830: White xGen keypad
- NXG-1831: Anthracite xGen keypad
- NXG-1832: White xGen keypad with integrated Mifare card reader
- NXG-1833: Anthracite xGen keypad with integrated Mifare card reader



**WARNING!** The equipment is not earthed. Any external circuit connected to the equipment must be located within the same building and connected to a protective earthing conductor.

Wire insulation of cables connected to the equipment must conform to IEC 60332-1-2 and IEC 60332-1-3 or IEC 60332-2-2, depending on the wire cross sectional area, or IEC TS 60695-11-21, regardless of cross sectional area. Alternatively, such wires must comply with UL 2556 VW-1.

### Keypad Installation

Ensure that the keypad is mounted on a flat, solid, vertical surface such that the base will not flex or warp when the mounting screws and bolts are tightened.

The keypad is connected to the control panel via the RS-485 xGen bus, up to 800 m from the control panel. It is recommended to use two-pair twisted, shielded data cable, for example, Belden 7201A, 3107A, or 9842. The shield of any bus cable must be connected to system ground at one end only. The keypad does not provide an earth connection for this purpose.

### Connections

**Figure 5: Connections**

- |                |                        |
|----------------|------------------------|
| (1) USBUP port | (3) xGen bus connector |
| (2) DIP switch |                        |

### DIP switch

The DIP switch (Figure 5, item 2) is used to enable the xGen bus termination.

- DIP switch 1: 120  $\Omega$  xGen bus termination switch
- DIP switch 2: For future use

### To install the keypad, follow these steps:

1. Loosen the bottom screw. See Figure 1.
2. Gently press and release two clips located on the bottom of the keypad. See Figure 2.
3. Tilt the keypad from the bottom and remove it from the mounting plate. See Figure 3.
4. Use the mounting plate as a template to mark where the bus cable should feed through the wall. See Figure 4.
5. Drill appropriate holes and feed the keypad bus cable through the mounting plate.

The mounting plate must be mounted using at least 4 screws, using 3 mounting holes (Figure 1, items A), and the pry-off tamper mounting hole (item B).

If necessary, cut one of the moulded cable knock-outs (Figure 4, items C) to provide a cable entry from the top, left, right or bottom side.

Keep a small cable loop in a dedicated space in the base as shown in an example in Figure 6.

6. Screw the mounting plate to the flat mounting surface using provided screws.
7. Connect the bus cable to the screw terminals on the keypad. See Figure 5. Note that the connector is pluggable (see an example in Figure 6).

Connect to POS, NEG, LAN+, and LAN-.

**Note:** IN and OUT are not used.

8. If the keypad is the last device on the xGen bus cable, enable the xGen bus termination by moving the bus termination switch (DIP switch 1) to the On position. See also "DIP switch" above.
9. Attach the keypad to the mounting plate by sliding the top of the keypad onto the clips located on the top of the mounting plate. See Figure 7.
10. Gently push bottom side to attach the clips.
11. Tighten the bottom screw to fix the keypad to the mounting plate.

For keypad programming, see *xGen Installation and Programming Guide*.

See *NXG-183x Keypad User Manual* for keypad operation details.

### Firmware

The keypad is remotely upgradeable using DLX900, or locally with the USBUP-EUR-V2 service tool via the USBUP port on the keypad (Figure 5, item 1).

### Specifications

Compatibility	xGen panel series xGenConnect panel series
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Code combinations	10 000 to 100 000 000 (4 to 8 digits) There are no invalid code combinations.
Voltage	9 to 15 VDC (provided by panel)
Current consumption:	
Nominal	NXG-1830, NXG-1831: TBD NXG-1832, NXG-1833: TBD
Minimal (all lights off)	NXG-1830, NXG-1831: TBD NXG-1832, NXG-1833: 65 mA max. at 12 VDC
Maximum	NXG-1830, NXG-1831: TBD NXG-1832, NXG-1833: 220 mA max. at 12 VDC
Wiring	xGen 4-wire bus
Frequency band	13.553 to 13.567 MHz
Maximum power output	42 dBμA/m
Mounting height	≤2 m
Dimensions (W × H × D)	133 x 130 x 25 mm
Colour	NXG-1830, NXG-1832: White NXG-1831, NXG-1833: Anthracite
Weight	0.3 kg
Operating temperature	−10 to +50°C
Maximum relative humidity	95% noncondensing
Serviceable parts	There are no serviceable parts



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [recyclethis.info](http://recyclethis.info)

## Contact information

[firesecurityproducts.com](http://firesecurityproducts.com) or [www.interlogix.com](http://www.interlogix.com)

## Regulatory information

Manufacturer	Placed on the market by: UTC Fire & Security Americas Corporation, Inc. 3211 Progress Drive, Lincolnton, NC, 28092, USA Authorized EU manufacturing representative: UTC Fire & Security B.V. Kelvinstraat 7, 6003 DH Weert, Netherlands
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For more information on warranty disclaimers and product safety information, please check <https://firesecurityproducts.com/policy/product-warning/> or scan the QR code.

Certification	
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European Union directives	NXG-1830, NXG-1831: UTC Fire & Security hereby declares that this device is in compliance with the applicable requirements and provisions of the Directive 2014/30/EU and/or 2014/35/EU. For more information see <a href="http://firesecurityproducts.com">firesecurityproducts.com</a>
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