

# NXG-433

## xGen wireless receiver 433 MHz

### Increasing zone capability

The NXG-433 wireless receiver adds wireless capabilities to the xGen and xGenConnect range of panels. The receiver acts as a zone expander and supports most of the legacy 433 MHz 63-bit transmitters and functions as well as the new generation of 433 MHz transmitters and 2-way devices. The number of wireless sensors and keyfobs that can be added depends on the xGen or xGenConnect panel model. The NXG-433 wireless receiver also provides two wired zone inputs and one programmable relay output.

### 2-way Wireless

The NXG-433 wireless receiver makes it possible to extend the xGen and xGenConnect range of panels with wireless indoor & outdoor sirens, wireless input/output modules as well as 2-way keyfobs, all of these using the latest LoNa technology. The wireless communication is fully encrypted, avoiding unauthorized interference.

### Installation & Programming

The NXG-433 wireless receiver needs to be installed outside the xGen or xGenConnect panel housing in order to assure a maximum wireless range. The wireless receiver enrolls as a standard zone expander and will send incoming RF packets from the wireless transmitters to the panel for further processing. The xGen wireless solution will monitor the status and presence of each wireless device and will respond in case of an RF jamming condition.

The firmware of the module is remotely upgradeable via the DLX900 downloader or on-site via USBUP-EUR.



### Details

- RS-485 bus receiver
- Two wired zone inputs
- One programmable SPDT Form C relay output
- Supports legacy 63-bit 433 MHz and new 80-bit 433 MHz (LoNa) transmitters
- Supports LoNa wireless indoor & outdoor siren and wireless input/output module
- Learn-mode technology
- Removable terminals
- EN50131-1/EN50131-3/EN50131-6 Grade 2 Class II , INCERT T031
- Firmware upgrade via USBUP-EUR flash tool or via DLX900 over the network

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### Technical specifications

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#### System

433 MHz 63-bit protocol	legacy range of 433 MHz transmitters
433 MHz 80-bit (LoNa) protocol	new range of 433 MHz transmitters and 2-way devices

#### Inputs

Onboard inputs	2
NXG-64(IP)	maximum 64 sensors and 32 keyfobs
NXG-256IP(-M), NXG-512IP(-M)	maximum 192 sensors and 64 keyfobs
NXG-8, NXG-9(-RF)	maximum 48 sensors and 32 keyfobs

#### Outputs

No. of onboard outputs	1
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#### Communication

Databus type	RS485
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#### Electrical

Operating voltage	12 VDC (from approved power supply unit)
Current consumption	47mA (typical) 51mA (maximum)

#### Physical

Physical dimensions	155 x 95 x 26 mm
Shipping weight	160 g

#### Environmental

Storage temperature	-10° to 55°C
Relative humidity	90% relative humidity non-condensing

#### Standards & regulation

EN50131 Grade	Grade 2
Compliancy	CE
Certification	EN50131 Grade 2, INCERT

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Last updated on 9 December 2020 - 10:33

