NXG-320

xGen smart power supply in plastic enclosure, Grade 2

Extending the xGen panel capabilities

The NXG-320 is the remote smart power supply for the xGen control panel range. In sites where additional power is required or where the security system covers multiple buildings or multiple floors within the same building, the xGen NXG-320 offers the perfect solution as it can be used as a power supply unit and/or as an RS-485 bus extension/isolator.
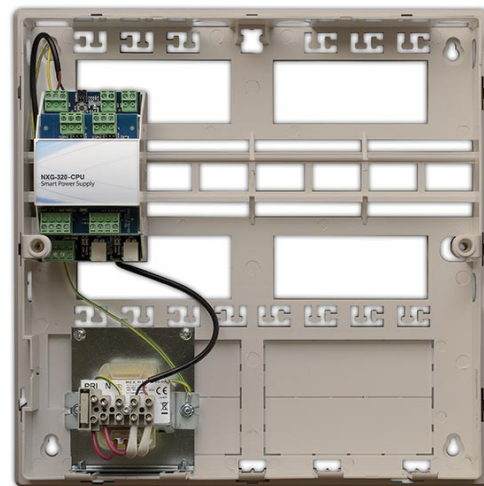
General

The NXG-320-CPU has two auxiliary power outputs (2x 500mA max) and an RS-485 bus power output (500mA max). The NXG-320-CPU also offers two programmable zone inputs and two programmable SPDT relay outputs. The module has a tamper connector that can be used to supervise the enclosure in which it is mounted. Both the mains power supply and up to two batteries can be monitored.
The NXG-320 plastic enclosure features a DIN rail on which up to three additional expander modules can be added.

Easy installation and maintenance

The NXG-320-CPU removable terminal blocks allow easy wiring and maintenance. Enrolling and programming the module is done from the control panel. The firmware of the module is upgradeable remotely via DLX900 or locally using the USB flash device.

Standard Features

- Monitored bus power output
- xGen RS-485 isolator
- 2 monitored auxiliary power outputs
- 2 supervised zone inputs
- 2 programmable SPDT relay outputs
- 2 supervised battery connections
- Separate box tamper input
- DIN-rail mountable
- Removable terminals
- Several status LEDs on-board
- Firmware upgrade via USBUP-EUR or DLX900 over the network
- EN50131-1/EN50131-3/EN50131-6 Grade 2 Class II (pending)
- INCERT T031 (pending)

NXG-320

xGen smart power supply in plastic enclosure, Grade 2

Specifications

Supply voltage (typical)	230 Vac, +/-10%, 50 Hz
Operating power (nominal)	16.3 Vac/50 Hz, 40 VA
Transformer	included
Current consumption	
Nominal	52 mA
Maximum	78 mA
Battery (optional)	max. 12Vdc/7Ah, 18Ah
Auxiliary power	2 A maximum current, max 500 mA per output
Maximum allowed auxiliary current	
Grade 2 - 7Ah	480 mA
Grade 2 - 18Ah	800 mA
Programmable relays	2 SPDT relays
Rated load	0.5A / 125VAC or 1A / 24VDC
Minimum load	1mA / 5VDC
Maximum load	1 A / 125VAC or 60VDC
End-Of-Line resistor value	
Double end-of-line	3.3K - 6.6K; 4.7K - 9.4K; 4.1K - 8.2K
Triple end-of-line (with xGen Grade 3 CPU only)	3.3K - 6.6K; 4.7K - 9.4K - 19.4K; 4.1K - 8.2K - 16.4K
Tamper input	Open and pry-off
Operating temperature	0°C to 49°C
Storage temperature	-34°C to 60°C
Relative humidity	up to 85% non-condensing
Dimensions (L x W x H)	371 x 371 x 118 mm
Weight	2.830 kg

Ordering Information

Part No.	Description
NXG-320	xGen smart power supply in plastic enclosure, Grade 2
NXG-320-M	xGen smart power supply in metal enclosure, Grade 3
NXG-320-CPU	xGen smart power supply, CPU only

United Technologies
Climate | Controls | Security