UTC Fire & Security
A United Technologies Company

NXG-504
xGen 4 relay output expander

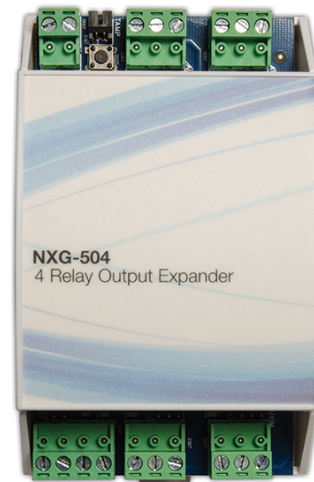## Increasing output capability

The NXG-504 adds 4 additional relay outputs to the XGen range of panels. Via a jumper, each Single Pole Double Throw (SPDT) Form C relay output can be configured in 3 different modes: as dry contact, or to switch the bus or externally supplied voltage to the output terminal, or to switch the bus ground to the output terminal. This allows to use the module in different applications. The status LED next to each output shows the actual state of the relay.

Installation

The module is DIN-rail mountable and can be added into the control panel enclosure or can be installed remotely. The xGen bus input as well as each relay output is wired on a removable terminal block allowing easy wiring and maintenance.

Programming

The NXG-504 does not need specific programming. Enrolling the module and programming the outputs 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

- 4 relay output expander (double layer module)
- Single Pole Double Throw (SPDT) Form C relays
- 3 selectable operating modes for each output
- Status LED for each output
- Separate box tamper input
- DIN-rail mountable
- Removable terminals
- Firmware upgradeable via USBUP-EUR flash tool or via DLX900 over the network

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Specifications

Operating power	12 Vdc via XGEN bus
Current consumption	
minimum (no outputs active)	20 mA
maximum (all outputs active)	70 mA
Tamper input	normally closed
Programmable relays	4 SPDT relays
Rated load	0.5A / 30VAC or 1A / 24VDC
Minimum load	1mA / 5VDC
Maximum load	1 A / 24VDC
Operating temperature	0° to 49°C
Storage temperature	-34°C to 60°C
Maximum humidity	85% relative humidity non-condensing
Dimensions	135 x 80 x 55 mm
Weight	0.180 kg

Ordering Information

Part No.	Description
NXG-504	xGen 4 relay output expander
NXG-510	xGen 10 relay output expander

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