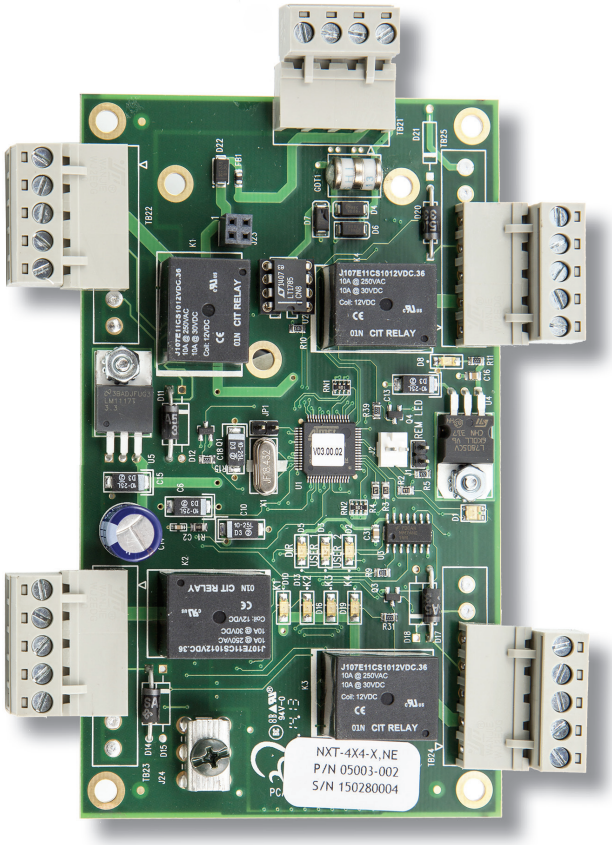
NXT - 4x4 Input/Output Expansion Module

DATA SHEET



- 4 auxiliary Inputs and 4 auxiliary Outputs per module
- Up to 4 modules (16 Inputs and Outputs) can be added per NXT-4D Controller, up to 2 modules (8 Inputs and 8 Outputs per NXT-2D Controller
- Re-assignable, Interchangeable with controller's door I/O
- 4-State Supervision on Inputs
- Can be used for Door Forced and Door Held Open Alarms as well as Auxiliary REX Inputs, Latch Integrity, Bond Sensor, or other general purpose functions
- Flash Memory for easy upgrades
- Powered from Controller (standard) or optional standalone power supply
- Status Indicator LEDs for power, communication, and relay position
- Quick Disconnect Connectors
- Locking Metal Enclosure (optional without)
- Reduces wiring by providing capability to move door management functions to the door location

The **NXT-4X4 Input/Output Expansion Module** provides functionality to any Doors.NET™ access control system by adding auxiliary I/O that can be used for additional access control functionality, monitoring non-reader doors or other devices, and creating powerful action sequences by linking input triggers to outputs. The module can be connected anywhere along the RS-485 trunk/buss, most commonly at the controller or near a reader. One module can be added per trunk, allowing up to an extra 8 inputs and 8 outputs on an NXT-2D Controller and an extra 16 inputs and 16 outputs on an NXT-4D Controller.

The module's relays are re-assignable and interchangeable with the main controller's relays. The module can be mounted next to the door providing local door control and local door alarm functions while minimizing the cable bundle from door to controller. The unit also has a port to plug in an NXT-RM3 Reader Interface Module to allow Keri MS reader signals to be sent down the RS-485 line.

KERI SYSTEMS

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NXT - 4x4 Input/Output Expansion Module

Specifications:

Size (Enclosure):
8" H x 7" W x 2.75" D
(20.32 cm x 17.78 cm x 6.98 cm)

Size (PC Board):
5.25" H x 3.10" W x 1" D
(13.33 cm x 7.87 cm x 2.54 cm)

Weight (In Enclosure):
2.5 Lbs (1.14 Kgs)

Input Voltage:
+ 12 VDC nom. (10 - 14 VDC)

Current Draw:
250 mA typical

Inputs:
4 general purpose Inputs or configurable in software to:
- Door Contact Switch
- Request to Exit
- Bond Sensor

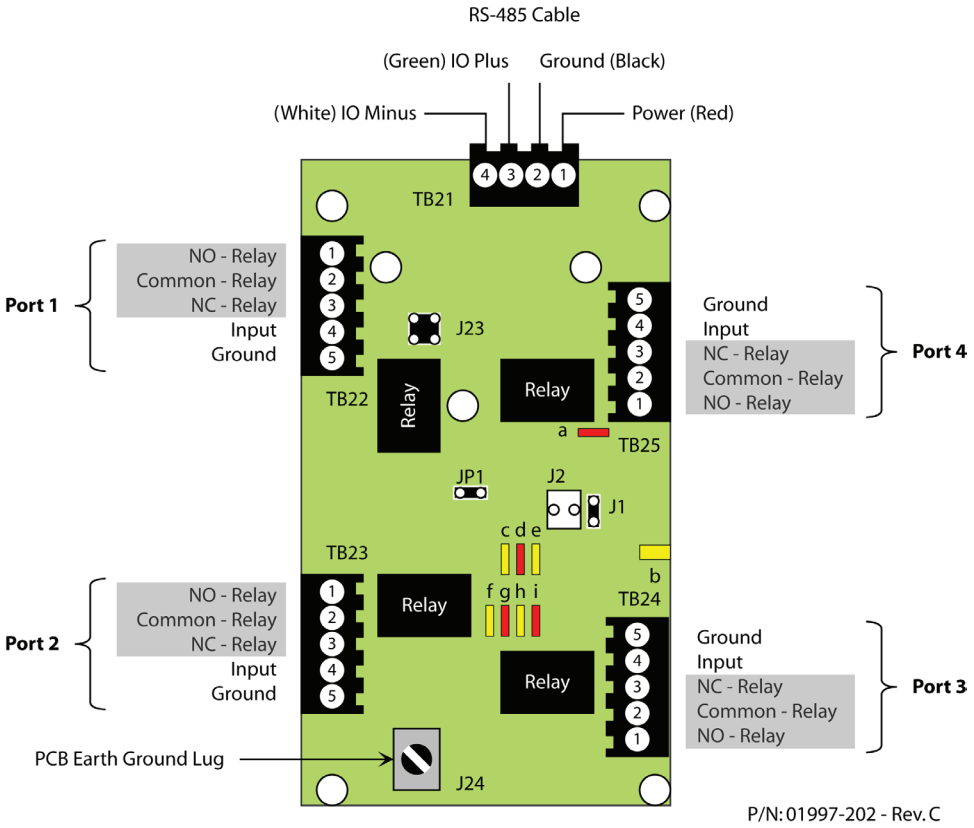
Outputs:
4 general purpose Outputs/Relays
1.0 amp (24 VDC max.) dry circuit

Temperature / Humidity:
-40° F to 140° F
(-40° C to 60° C)
0-90% Non Condensing

Communication:
To Controller: RS-485

Lithium Battery:
5 years Memory Retention

Note: Specifications are subject to change without notice.



P/N: 01997-202 - Rev. C

ORDERING INFORMATION:

Model #	Description
NXT-4x4	4 Input / 4 Output Auxiliary I/O and Local Door Control Module, with Enclosure

RELATED PRODUCTS:

Model #	Description
NXT-4x4-NE	4 Input / 4 Output Auxiliary I/O and Local Door Control Module, without Enclosure
NXT-GIOX	Backplane for Greater I/O Expansion platform
NXT-GIOX-NE	Backplane for Greater I/O Expansion platform without Enclosure

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Presented By: