



## Neutron™ Economical Single-Door Controller

DATA SHEET

*Up to 8 unique doors may be configured and controlled*



- Economical mini-controller for a single door address
- Works exclusively with Keri's Visual Doors Software
- Networkable via RS-485 for up to 8 controllers
- Supports Keri NXT and NXT-E readers
- Capable of In/Out access using Keri's NXT-E readers in conjunction with a standard NXT reader
- 1000 credential capacity
- Event buffer is 16,000 online and 4000 offline
- Equipped with dedicated inputs for REX & Door Sense
- Form "C" Relay for door control
- Configurable for: Lock Time, Auto Unlock by time
- 8 Access Groups configurable per credential
- Same small footprint as Keri's Intelliprox Blue™ and sharing the same enclosure

Keri's **Neutron Controller** is a small, low cost, single-door controller. Up to 8 Neutron mini-controllers may be attached to a RS-485 network, originating at a PC or Keri appliance, to control 8 doors with the option of using both in/out readers.

Neutron has been designed with low cost and small physical size in mind, yet maintains a powerful feature set, nearly equal to Keri's NXT controllers. In fact, Neutron runs on the Visual Doors version of Keri's Door.NET software and maintains a 1000 credential capacity and a 16,000 event buffer (4000 offline).

An additional desirable feature is the ability to perform gateway-wide anti-passback, opening up a whole market segment for this low cost controller. The Neutron controller is designed to work with Keri's NXT readers in both 125kHz and 13.56MHz. Traditional 125 kHz Wiegand readers and keypads are not supported. Supplied inputs and relay outputs are fixed to supporting REX (Request to Exit), DPS (Door Position Switch) and door relay.

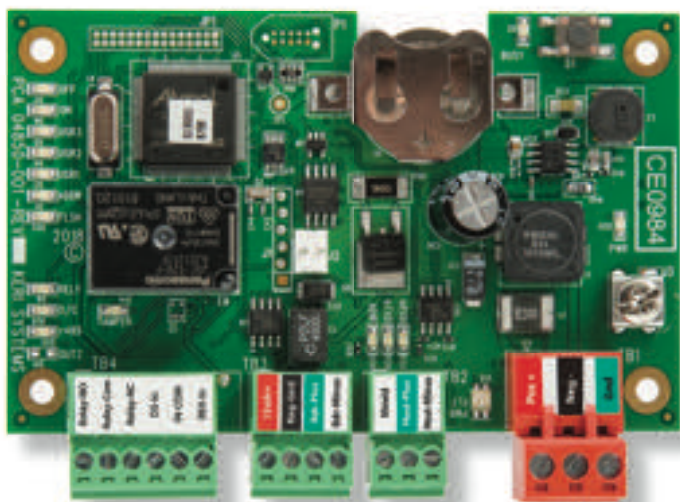


[www.kerisys.com](http://www.kerisys.com)

302 Enzo Drive • San Jose, California 95138 • email: [sales@kerisys.com](mailto:sales@kerisys.com)  
Phone: 408-435-8400 • Toll Free: 800-260-5265 • Fax: 408-577-1792

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## SPECIFICATIONS:

**Small Enclosure Size:**  
2.75" H x 4.25" W x 1.32" D

**Full Kit Enclosure Size:**  
7.25" H x 6.6" W x 1.8" D

**PC Board, No Enclosure Size:**  
2.36" H x 4.0" W x 0.78" D

**Input Voltage:**  
+ 12 VDC nom. (9-15 VDC)

**Current Draw:**  
NEUT Controller - 250mA-

**Inputs (2):**  
Door Contact Switch  
Request to Exit

**Outputs:**  
1.0 amp (24 VDC max.)  
dry circuit

**Reader Capacity:**  
2 using NXT Readers\*  
\* NXT 1,3, or 5R  
NXT 1,3, or 5RE

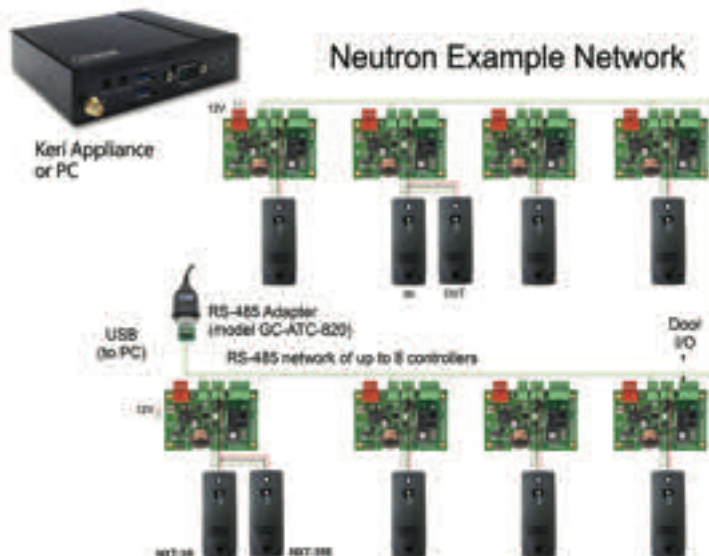
**Buffer Capacity:**  
4,000 offline

**Temperature / Humidity:**  
-40°F to 140°F  
(-40°C to 60°C)

**Communication:**  
RS-485 (A minimum of one  
Communication Cable Kit is  
required per installation.)

**Lithium Battery:**  
5 years Memory Retention

*Note: Specifications are subject  
to change without notice.*



## ORDERING INFORMATION:

Model #	Description
NEUT-3R-KIT	Neutron Kit with both enclosures, (1) NXT-3R reader, (1) PSC-35 1.8A power supply, (3) NXT-C & (2) NXT-AP
NEUT-5R-KIT	Neutron Kit with both enclosures, (1) NXT-5R reader, (1) PSC-35 1.8A power supply, (3) NXT-C & (2) NXT-AP IP-BLUE
NEUT-SOLO	Neutron Controller Board only, In small enclosure, DIN-Rail mountable
NEUT-EU-KIT	Same as 3-R Full kit (above) with European power supply
NEUT-CBL-KIT	RS-485 Cable Kit, PC to first Neutron board

## RELATED PRODUCTS:

Model #	Description.
NXT-1R	EuroMount NXT Proximity Reader for NXT Controllers, access/entry version
NXT-1RE	EuroMount NXT Proximity Reader, exit/egress version
NXT-3R	Mullion Mount NXT Proximity Reader for NXT Controllers, access/entry version
NXT-3RE	Mullion Mount NXT Proximity Reader for NXT Controllers, exit/egress version
NXT-5R	Wall Mount NXT Proximity Reader for NXT Controllers, access/entry version
NXT-5RE	Wall Mount NXT Proximity Reader for NXT Controllers, exit/egress version



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