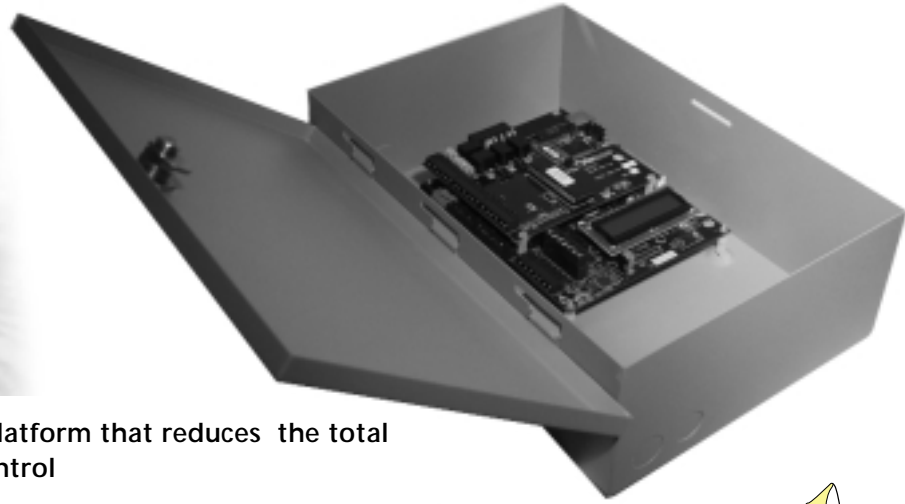
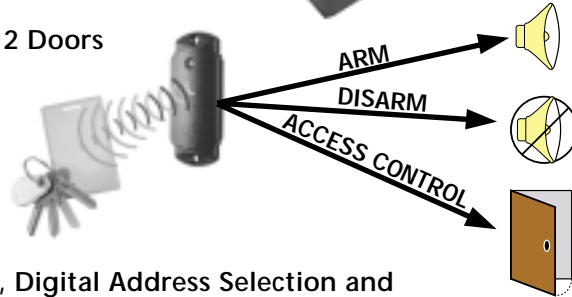


# PXL-500/510 Tiger II Controller and SB-593 Satellite Expansion Board



- Sophisticated Hardware Platform that reduces the total installed cost of access control
- 100% Distributed Intelligence, Expandable 1 or 2 Doors at a Time
- PXL-510 with Extra Serial Port provides alarm system control capability (arming and disarming)
- Great Installer Features Including Self-Configuring Hardware with No Jumper Settings, Digital Address Selection and Readout without DIP Switches, Quick Disconnect Terminals, and on-Board Diagnostics
- RS-485 Networking, 256 door/65,000 User Capacity
- RS-232 Port for direct PC, TCP/IP or Modem Connection, 5 Year Memory Retention
- Compatible with existing PXL-250 Systems



Keri's PXL-500 *Tiger II Controller* hardware platform provides sophisticated access control solutions for up to 256 doors at a single site and thousands of doors spread over a number of remote sites. The unique architecture and latest multiprocessor, RISC-based design techniques allow Keri to offer the system hardware at a lower cost compared to other manufacturers. It also contains many features that simplify and significantly reduce the cost of installation. The system is managed by Keri's *Doors™* for use with Windows™ software.

The PXL-500 itself contains all the input/output functionality necessary to manage a single door (Lock Relay, Door Sense, Request-to-Exit, and two reader inputs) as well as provide an alarm output. Each controller has an RS-485 port for connection to other PXL-500's (up to 128 per network) and an RS-232 serial port for connection to a PC which communicates with the first PXL-500 on the network. The PXL-500's two reader inputs can be configured for either Keri's acclaimed *MS Series Proximity Readers* or any Wiegand-compatible device (model PXL-500P for MS Readers, model PXL-500W for Wiegand-compatible readers.) The PXL-510 provides integration with the NetworX (Caddx) NX-8E Alarm Panel such that users can disarm and arm the alarm system using the access system's readers.

The *SB-593 Satellite Expansion Board* plugs into the PXL-500 to provide additional functionality at a cost far less than that of adding another controller. The SB-593 gives each PXL-500 an additional 8 general purpose inputs and 4 general purpose outputs. Two of the inputs and outputs can be configured to manage a second door, making the PXL-500 a cost effective two door controller while still providing an additional 6 inputs and 2 outputs.



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DATA SHEET | PXL-500/510 Tiger II Controller & SB-593 Satellite Expansion Board

# PXL-500/510 Tiger II Controller and SB-593 Satellite Expansion Board

## SPECIFICATIONS:

### Size (Enclosure)

13" H x 9" W x 4" D  
(33.15 cm x 22.95 cm x 6.35 cm)

### Size (PC Board)

**PXL-500**  
5.6" H x 6.6" W x 1.6" D  
(14.28 cm x 16.83 cm x 2.55 cm)  
weight 4.36 ills(1.99 kg)

### PXL-500 with SB-593

5.6" H x 6.6" W x 1.8" D  
(14.28 cm x 16.83 cm x 4.59 cm)

### Power Requirements (max)

+12 VDC @ 125mA (PXL-500)  
add 375mA for SB-593

### Inputs

#### PXL-500

- Door Sense
- Request to Exit
- Auxiliary/External Time Zone
- Card Reader (2), A & B

#### SB-593

General Purpose (8), 2 are configurable as request to exit and door sense for 2nd door

### Outputs

#### PXL-500

- Form C Lock Relay (3 Amp)
- Form C Alarm Relay (3 Amp)
- RS-232 Serial Port (DB-9M)
- Output for Optional LCD Display

#### SB-593

Form C Relay, 3A (4), 2 are configurable as lock and alarm outputs tied to B reader port

### Buffer Capacity

65,000 Cardholders  
3,600 Events

### Temperature/Humidity

32°F to 140°F  
(0°C to 60°C)  
0-90% Non Condensing

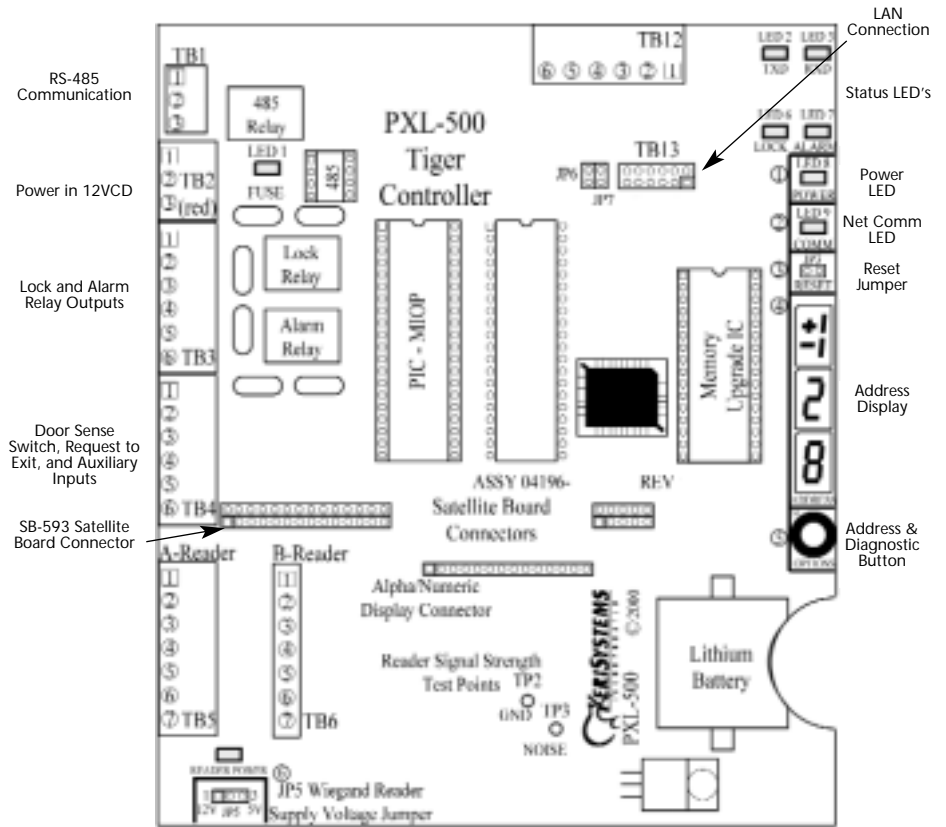
### Communication

Between Controllers: RS-485, 9600 Baud  
PC to Master: RS-232

### Lithium Battery

5 Years Memory Retention

## PXL-500



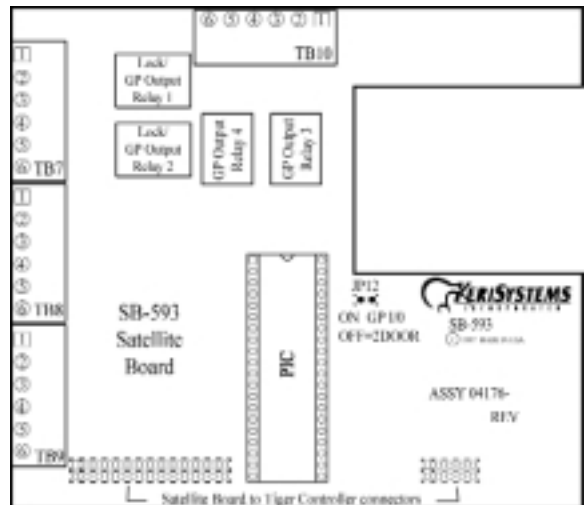
## SB-593

2 General Purpose Outputs

2nd Door Control and  
2nd Alarm Relay Outputs  
OR  
2 General Purpose Outputs

2nd Door Sense and  
Request to Exit Inputs  
OR  
2 General Purpose Inputs  
and  
2 Extra General Purpose Inputs

4 General Purpose Inputs



Presented By:

