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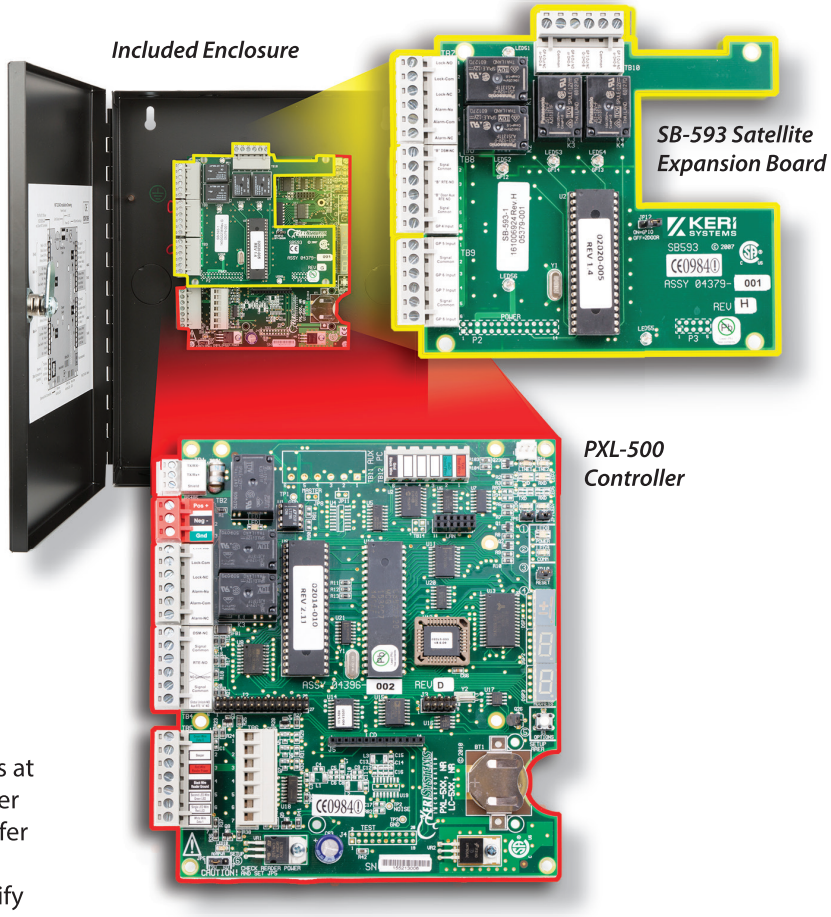
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# PXL-500™ Controller & SB-593™ Satellite Expansion Board

**DATA SHEET**

- Reliable Hardware Platform that reduces the total installed cost of access control
- 100% Distributed Intelligence, Expandable 1 or 2 Doors at a Time
- 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 per site
- RS-232 Port for direct PC, TCP/IP or Modem Connection, 5 Year Memory Retention




Keri's **PXL-500 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 allows 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 Doors32 software or Doors.NET software, with Doors.NET being recommended for all new installations.

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 **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.


KERI SYSTEMS

*www.kerisys.com*

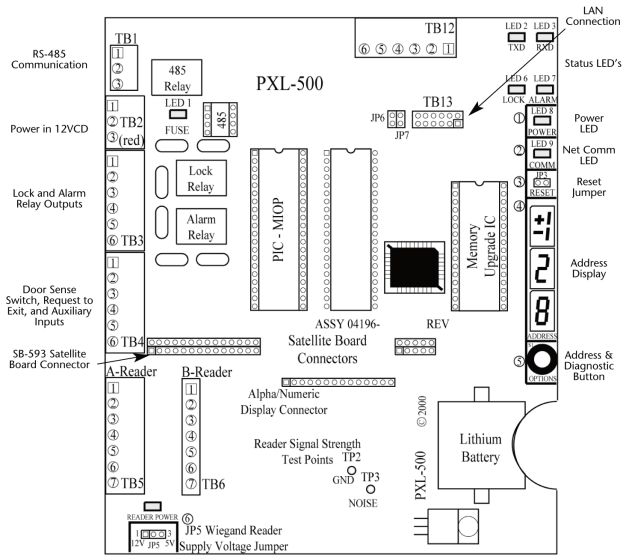
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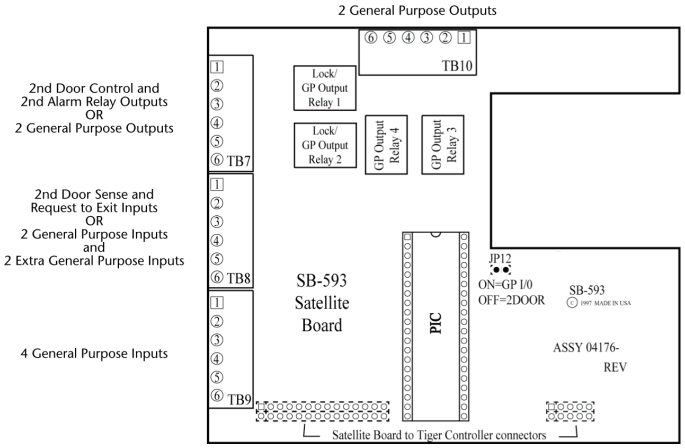
# PXL-500™ Controller & SB-593™ Satellite Expansion Board

## DATA SHEET - Page 2 of 2

### PXL-500 Controller




### SB-593 Expansion Board




## SPECIFICATIONS:

**Size (Enclosure):**
13" H x 9" W x 4" D
(33.15 cm x 22.95 cm x 6.35 cm)

**Weight (In Enclosure):**
4.36 lbs (1.99) kg

**Size (PC Board) PXL-500:**
5.6" H x 6.6" W x l.6" D
(14.28 cm x 16.83 cm x 2.55 cm)

**PXL-500 with SB-593:**
5.6" H x 6.6" W x 1.8"D
(14.28 cm x 16.83 cmx 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

*Specifications are subject to change*

## ORDERING INFORMATION:

| Model Number | Description |
|---|---|
| PXL-500P | PXL-500 Tiger Controller for MS Series Readers |
| PXL-500W | PXL-500 Tiger Controller for Wiegand-type Readers |
| SB-593 | 2nd Door and I/O Expansion Board for PXL-500 |

## RELATED PRODUCTS:

| Model Number | Description |
|---|---|
| PXL-500P-NE | PXL-500 Tiger Controller for MS Series Readers without Enclosure |
| PXL-500W-NE | PXL-500 Tiger Controller for Wiegand-type Readers without Enclosure |
| SW-SCM | Serial Communications Module |
| KE-8 | 4 Panel Enclosure |
| DCR-8 | Enclosure Rack Mounting Kit |
| CU-500 | Chip Upgrade (To upgrade PXL-500 firmware) |

KERI SYSTEMS

*Presented By:*

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