PXL-500/PXL-500-1/PXL-510/PXL-510-1: Firmware v8.5.10

Release Notes

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1.0 Firmware Changes

PXL-500/PXL-500-1/PXL-510 Firmware v8.5.10 contains one fix.

1. Certain types of FAX machines, modems, and phone calls can generate and send a control code to PXL controllers communicating via modem that would be seen as a modem error condition by the controller's communication format. This error condition could cause the controller to believe the modem was no longer connected. In this situation, the controller would reset itself and then try to reestablish communication between controller and modem. However, variations in the reset time of various communication devices can cause the controller to believe the modem was not connected. This would result in the controller configuring itself for direct-connect communication mode. It would then require a power cycle to both controller and modem to restore proper modem communication. Changes have been made to the controller firmware's internal reset mechanism to only recognize a change in communication method on controller power up. The result is that the controller's firmware will continue to try to connect to the controller's modem, and once the errant, incoming data stream has released the modem the controller will then reconnect and reestablish proper controller-to-modem communication.

2.0 Compatibility

- Firmware release 8.5.10 (with previously released PIC v2.11) can only be used in PXL-500 family controllers. The leading '8' digit in the release number indicates that this release is for the PXL-500 controller family.
- PROM 8.5.10 and PIC v2.11 are interconnected and both <u>MUST</u> be installed on a controller for proper operation.
- To take advantage of all newly released features, firmware release 8.5.10 and *Doors* version 4.58 or greater <u>MUST</u> be used together. However, if you are satisfied with your current feature set, you are not required to upgrade to *Doors* version 4.58.
- An SB-593 is compatible with all PXL-500 family controllers and the PXL-250 (the extra row of connector pins on the SB-593 will "hang" over the PXL-250's mounting holes).
- A PXL-500 family controller can be added to any existing PXL-250 network and it will function just like a PXL-250[1]. The PXL-500 family of controllers has additional functionality in terms of card capacity and other features. If PXL-500 family controllers are added to an existing PXL-250 network and the new features will be used (such as Temp Cards), then a PXL-500 family controller must be installed as the master and any controller location that will use the function must also have a PXL-500 family controller in place.

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1. Please review the following document for other considerations in mixed PXL-250 and -500 networks. R45-2_2K_Resistor_Removal_App_Note – p/n 01736-001.

- If Alarm Control integration with a NetworX NX-8E alarm panel will be used, a PXL-510/510-1 <u>MUST</u> be used as the master. This is true for either a PXL-250 network, a PXL-500 network, or a mixed PXL-250/PXL-500 network. In a PXL-250 or a mixed network, any doors participating in alarm control must use a PXL-510/510-1 controller.
- When implementing a PXL-500 system that will also incorporate EntraGuard telephone entry, the telephone entry unit is no longer required to be the master. PXL-250/EntraGuard mixed systems still require an EntraGuard as the master controller.

NOTE: For specific compatibility information, refer to the <u>Series 3 and 4 Compatibility Guide</u> (P/N 01876-001).

3.0   Known Issues

There are no known issues.

4.0   Contact Keri Systems

Keri USA	Keri UK, Ireland, Europe
2305 Bering Drive San Jose, CA 95131	Unit 17 Park Farm Industrial Estate Ermine Street Buntingford Herts SG9 9AZ UK
Telephone: (800) 260-5265 (408) 435-8400	Telephone: + 44 (0) 1763 273 243
Fax: (408) 577-1792	Fax:+ 44 (0) 1763 274 106
Web: www.kerisys.com	Web:www.kerisystems.co.uk
E-mail: sales@kerisys.com techsupport@kerisys.com	E-mail:sales@kerisystems.co.uk tech-support@kerisystems.co.uk

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