

# PXL-500/PXL-510: Firmware v8.4.12

## 1.0 PXL-500/PXL-510 Firmware v8.4.12

The PXL-500/PXL-510 Firmware v8.4.12 makes some internal modifications.

## 2.0 Application

Firmware release 8.4.12 (PROM v8.4.12 and PIC v2.07) can only be used in PXL-500/PXL-510 controllers. The leading '8' digit in the release number indicates that this release is for the PXL-500/PXL-510.

## 3.0 Compatibility

- PROM 8.4.12 and PIC v2.07 are interconnected and both must be installed on a controller for proper operation.
- Firmware release 8.4.12 and Doors v4.10 must be used together to enable all the new features offered by this firmware release.
- An SB-593 is compatible with both a PXL-500/PXL-510 and a PXL-250 (the extra row of connector pins on the SB-593 will “hang” over the PXL-250’s mounting holes).
- A PXL-500/PXL-510 can be added to any existing PXL-250 network and it will function just like a PXL-250. The PXL-500/PXL-510 has additional functionality in terms of card capacity and other features. If PXL-500s/PXL-510s are added to an existing PXL-250 network and the new features will be used (such as Temp Cards), then a PXL-500/PXL-510 must be installed as the master and any controller location that will utilize the function must also have a PXL-500/PXL-510 in place.
- If Alarm Control integration with a NetworX NX-8E alarm panel will be used, a PXL-510 **MUST** 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-500/PXL-510.
- When implementing a PXL-500 system that will also incorporate telephone entry (EntraGuard Gold), the telephone entry unit is no longer required to be the master. PXL-250/EntraGuard mixed systems still require an EntraGuard as master.

*NOTE: For additional compatibility information, see the [Compatibility Guide - Series 3](#) (P/N 01876-001).*

## 4.0 Known Issues

1. Because of improvements made in the RS-485 circuitry, for network optimization R45 (2.2K) resistors **MUST** be removed from existing PXL-250s when adding a PXL-500/PXL-510. For instructions on how to test for, locate, and remove the R45 (2.2K) resistor from a PXL-250, refer to the [R45 \(2.2K\) Resistor Removal Application Note](#) (P/N 01736-001) included in the PXL-500/PXL-510 box or at [www.kerisys.com](http://www.kerisys.com).

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