PXL-500/PXL-510: Firmware v8.4.43

1.0   PXL-500/PXL-510 Firmware v8.4.43

PXL-500/PXL-510 Firmware v8.4.43 corrects eight problems.

1. Added a timeout to the Autocollect to prevent endless loop if a connection fails.
2. Fixed issues to better handle a full buffer or buffer overflow.
3. In some instances an autoconfig would cause the PXL-510 master to no longer update the alarm status to PXL-500 slaves participating in alarm control. This has been fixed.
4. When downloading or installing a card database of more than 5,000 cards, not all the cards would be downloaded. This has been fixed.
5. When first person in is enabled and a card is presented after the unlock time, the LED on the reader would not stay green for unlocked. This has been fixed so that the LED remains green during the scheduled unlock time.
6. Only the first time segment of a holiday time zone would be looked at. This has been fixed so that all further time segments are also acknowledged.
7. When a door has an Auto Unlock/Lock timezone of Never assigned and the door is unlocked using the Operate Doors command followed by the operator using the Restore Auto Unlock/ Lock button, the door would remain unlocked even though the door status reports it as "Auto Locked". This has been fixed. The door status in this case will now report "Command Unlocked".
8. When Door 1 on a PXL with an SB-593 Satellite board installed and configured for 2-door operation is unlocked due to an Auto Unlock/Lock timezone and the PXL power is interrupted, when the PXL power is back, the door does not unlock even though the reader LED is green and the Door status reports the door as "Auto Unlocked". This has been fixed so that following a power interruption, the Door 1 lock relay will now unlock if the door is within an Auto Unlock/ Lock timezone.

PXL-500/PXL-510 Firmware v8.4.43 makes three improvements.

1. Support for the Crow PW-8 and PW-16 Alarm Panels.
2. Added alarm permission on a user by user basis.
3. Increased the amount of time a PXL master will wait for a PXL slave to respond to a command up to 1 second. This is to support RS-485 over Ethernet. An Autoconfig may now take up to two minutes to complete.

2.0   Application

Firmware release 8.4.43 (PROM v8.4.43 and PIC v2.11) 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.

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3.0   Compatibility

- PROM 8.4.43 and PIC v2.11 are interconnected and both must be installed on a controller for proper operation.
- Firmware release 8.4.43 and *Doors* version 4.43 must be used together to enable all the new Alarm Control 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 use 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 <u>*Compatibility Guide - Series 3*</u> *(P/N 01876-001).*

4.0   Known Issues

1. Use of Firmware 8.4.43 on a PXL-510 **MUST** be in connection with Doors v4.43.
2. When connected using a LAN device and using auto collection, the PXL can take up to 60 seconds to close all of it's connections. Attempts to connect to the PXL or activation of an autocollect during this time may fail.

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