

PXL-250: Firmware v6.3.23

Application

- Firmware release 6.3.23 (PROM v6.3.23 and either MB-PIO v1.06 or v1.07) can only be used in PXL-250 controllers. The leading '6' digit in the release number indicates that this release is for the PXL-250. To upgrade a PXL-100 controller, the release number must have a leading digit of '5.'

Compatibility

General Compatibility

- PROM 6.3.23 and either MB-IOP v1.06 (for PXL-250P controllers) or v1.07 (for either PXL-250P or PXL-250W controllers) are interconnected and both must be installed on a controller for proper operation.
- Firmware release 6.3.23 and *Doors32* v3.2 must be used together to enable all the new features offered by these two releases.
- *Doors32* only supports PXL-250 controllers with v6.3.20 or greater firmware; PXL-250 controllers with 6.2.xx firmware and PXL-100 controllers are not compatible with *Doors32*.
- Access control networks with controllers using firmware releases 6.2.11, 6.2.12, and 6.2.15, can work with controllers using firmware release 6.3.20, 6.3.22, or 6.3.23 provided the controllers with 6.3.20, 6.3.22, or 6.3.23 firmware are slave units.

Wiegand Compatibility

- To use the Wiegand capabilities of the firmware, the controller must be a PXL-250W; the W suffix indicates the controller is Wiegand compatible. A quick way to verify the controller is a PXL-250W is to look at the receiver board. A PXL-250W will have "WIEGAND INTERFACE" stenciled on the receiver board. A PXL-250P (for Keri Systems proximity readers) will have "RECEIVER BOARD" stenciled on the receiver board. The MB-IOP on the controller must be v1.07.

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Improvements

- Data packet processing between the firmware and the controller's microprocessor has been changed, improving the controller's ability to filter out noise in the RS-485 communication network. This improves RS-485 network performance in EMI noisy environments and minimizes spurious "Network Disconnected" and "Network Reconnected" events from taking up controller buffer space.
- The polling protocol for the RS-485 communication network has been changed to allow slave controllers uninterrupted time upon receiving commands to process the commands. This ensures that when slave controllers receive commands, the commands are executed and implemented quickly.