PXL/SB/EntraGuard® Compatibility

IMPORTANT - PLEASE READ BEFORE INSTALLATION

The PXL-250 and SB-293 have been discontinued. They have been replaced by the PXL-500, PXL-510, and SB-593. The PXL-500 offers additional functionality in terms of card capacity and other features. The PXL-510 offers this same new functionality, plus a second RS-232 port to connect to an alarm panel.

PXL-500s and SB-593s are generally interchangeable with PXL-250s and SB-293s. However, in order to successfully install these products, a few simple rules must be followed.

> **When adding a PXL-500/510 to an existing PXL-250 network, because of improvements made to the RS-485 circuitry for network optimization, the R45 (2.2K) resistor MUST be removed from ALL existing PXL-250s. 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 available at www.kerisys.com.**

1. If you do not plan to use any of the new capabilities of the PXL-500 and are adding it to an existing network of PXL-250s and EntraGuard units: It may be installed in any position in the network, no *Doors* upgrade is necessary, but you must remove the R45 resistors on all existing PXL-250 controllers.

2. If you plan to use any of the new capabilities of the PXL-500, and are installing it into an existing PXL-250 network, then the PXL-500 must be installed as the master (controller #1). Any location that will utilize the new capabilities must also have a PXL-500 controller. *Doors* must be upgraded to v4.10 or above, and the R45 resistor must be removed from all existing PXL-250 controllers.

3. If you plan to use any of the new capabilities of the PXL-500, and are installing it into an existing EntraGuard/PXL-250 network, the PXL-500 must be installed as the master (controller #1). In this scenario, the EntraGuard Gold may be installed in any other position in the network. As in 2 above, any location that will utilize the new capabilities must also have a PXL-500 controller. *Doors* must be upgraded to v4.10 or above, and the R45 resistor must be removed from all existing PXL-250 controllers.

4. The SB-593 is compatible with both the PXL-500 and the PXL-250 (the extra row of connector pins on the SB-593 with "hang" over the PXL-250's mounting holes) and can be added to any PXL-250. If you are simply adding an SB-593 to either a PXL-250 or PXL-500/510, the R45 resistor does not need to be removed from the PXL-250 (the PXL-500/510 does not have an R45 resistor) and no *Doors* upgrade is necessary.

5. If Alarm Control with NetworX (Caddx) will be employed, a PXL-510 **MUST** by used as the master (controller #1). This is true for a PXL-250 network, a PXL-500 network, or a mixed PXL-250/PXL-500 network. The PXL-510's extra RS-232 port (TB-11) connects to the RS-232 port on the NetworX NX-8E. In a PXL-250 or a mixed network, any doors participating in alarm control must use PXL-500s with (*Doors* v4.10 or above).

6. Currently, only Partition 1 may be armed/disarmed using a reader and PXL-500/PXL-510. If other alarm partitions are used, they can be disarmed using alarm keypads.

7. If Alarm Control is implemented, any arming/disarming done using readers and the PXL-510 will be logged as "User 90" in the NetworX panel. To get a detailed breakdown on arming/disarming by individual users, use the reports in *Doors*.

8. When the Temp Card feature (future activation and expiration of users) is enabled, user capacity is reduced to 19,110.

9. "ECR" (or "ESP") access control cards manufactured by Proxlock will not work with PXL-500/PXL-510s. These cards were typically used with PXL-35/38/45/48/100 and are often thick and blue or beige in color, with "ESP" and "Proxlock" embossed on one side.

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