

Multi-Technology Image Ready Proximity Cards

Keri's Multi-Technology Image Ready Proximity Cards are designed to give customers all the benefits of proximity access control plus the convenience of combining mag stripe and photo so only one card is required by the user. Typical applications employ the proximity for access control, the photo for positive picture ID, and the mag stripe for other functions such as debit systems (cafeteria, library, copy machine, etc.) that may be present. Following these basic guidelines will ensure that you get maximum use out of your Multi-Technology Image Ready Proximity Card and extend its life as long as possible. Because of the inherent weakness of the PVC material which is required for "dye sublimation" printing, these cards are not covered by the lifetime warranty that applies to Keri's Standard Light Proximity Cards and Proximity Key Tags.

Dye Sublimation Printing on Keri's Multi-Technology Card

The Multi-Technology Card is manufactured using a matte finish PVC material that provides a higher quality image than the standard glossy finish cards. Some printer manufacturer's products are not capable of printing on these cards however. To ensure the best quality print, Keri has tested its cards with most printer manufacturers products.

Those that have been tested are listed with the specific model numbers of the tested printers. Keri recommends using these printers for quality images.

If your card will be printed with a direct-print "dye sublimation" printer, do not touch the surface of the card until after it is printed. Any dirt or oil from your hand could cause an imperfect image and could potentially damage the printer's print head. Load a whole stack of cards into the printer's hopper, making sure to touch the cards only on the edge.

- A) Use test cards to verify printer operation and image quality before printing proximity cards.
- B) Use a soft cloth to clean dust or oil off the card. Make sure the cloth is of a material that will not leave lint on the card.
- C) We recommend that you do not slot punch the cards before printing. Punched slots can sometimes jam or damage your card printer.
- D) Do not put the card near a high strength magnetic field after encoding the mag stripe. This can erase the encoded data.

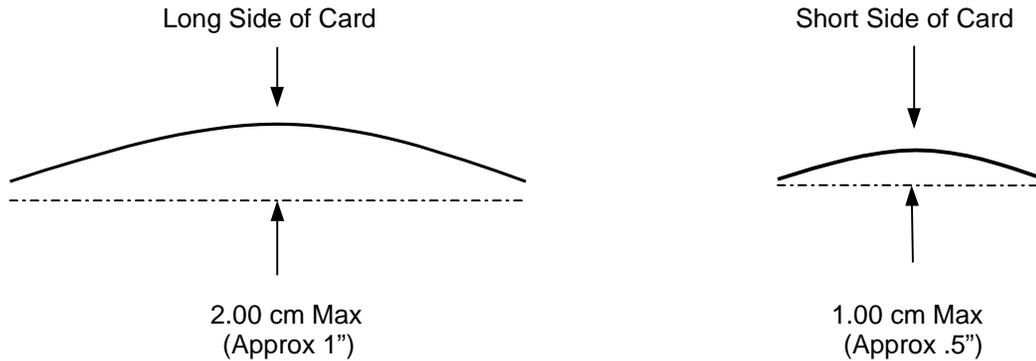
Mechanical and Thermal Stress

Mechanical Stress

Keri's Multi-Technology Cards are manufactured to comply with internationally accepted ISO standards for identification credentials. These standards dictate the amount of physical and electrical stress the card is capable of withstanding. To maximize the life of the card, never bend or twist it. The micro-electronic components in it are delicate and can be damaged if the card is abused. The card will withstand stress caused by flexing the card as shown in the examples provided below but stress exceeding these forces may damage it.



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The bow indicated must be over the entire card, flexing a small portion of the card to a height of 2 cm (or 1 cm on the short side of the card) can damage it

Thermal Stress

Never subject the card to heat in excess of 160°F (approximately 70°C). Temperatures exceeding these can permanently warp the card and can mechanically stress the card causing failure. Keri does not recommend leaving the card in a closed car. Temperatures can easily exceed 160° in a vehicle left in the sun.

Punching

A card must be punched in one of the two areas marked on the body of the card. Punching outside of these areas voids the card's warranty. When punching a card, the punching machine must not flex the card beyond the limits identified above. Over flexing card the card during punching will also void the card's warranty.

Keri has tested the following printers for the Multi-Technology Image Ready Proximity Card Series:

**Ultra Electronics
Magicard Systems**
15239 NE 90th Street
Redmond, WA 98052
Phone (425) 556-9708
Fax (425)556-3962
Deborah Olson
**Model - #300, #300Plus,
Turbo**

Atlantek
10 High Street
Wakefield, RI 02879
Phone (401) 783-5700
Fax (401) 783-9881
Christine DenBleyker
Model - #85

DataCard Corporation
11111 Bren Road West
Minnetonka, MN 55440
Phone (800) 328-8623
Fax (612) 933-8717
Ask for Inside Sales
**Model - Image Express
Model - Image III**

Sandia Imaging Systems
3208 Commander Drive
Carrollton, TX 75006
Phone (972) 407-6080
Fax (972) 407-9085
Nancy Ratcliff
All Models

Models from these manufacturers have either not been tested or have shown inconsistent results:

Fargo Electronics

Nisca

Sony Electronics

Eltron International