


Mirage II™ Proximity Reader



Checkpoint offers the most advanced proximity technology available today. MirageII proximity readers and cards meet rigorous specifications to assure reliable and efficient access control. Security you can trust.

Principals of operation

The Mirage II, with read range of 4 to 6 inches, operates on all Threshold systems.

Mirage II readers constantly transmit a fixed radio frequency (RF) signal, recognizable by a microchip on board the proximity card. When the card is held within 4 to 6 inches of the reader, the RF signal powers the microchip. Once powered, the microchip repeatedly communicates a unique 32-bit code to the reader until the card is removed from operating range.

The Mirage II offers an enhanced visual verification feature that uses a dual Red/Green LED.

After the first transmission, the reader oversamples the unique signature four times before sending the verified data to the appropriate controller for further processing.

When the proximity card presented contains a valid code, the LED turns green signifying "Access Granted." If it contains an invalid code, the LED repeatedly flashes from red to green, signifying "Access Denied."

The readers allow for concealment behind concrete, drywall or glass for low visibility and high security. They are tamperproof, have no slots or moving parts, and are weatherproof to resist moisture and temperature extremes.

Standard credit card size, the proximity card can be read through a wallet, purse or pocket. Car keys or other metallic objects do not affect card performance. In addition, our card does not interfere with retail anti-theft devices.



Mirage II proximity readers for reliable easy-to-use access control



Reader docking Bay

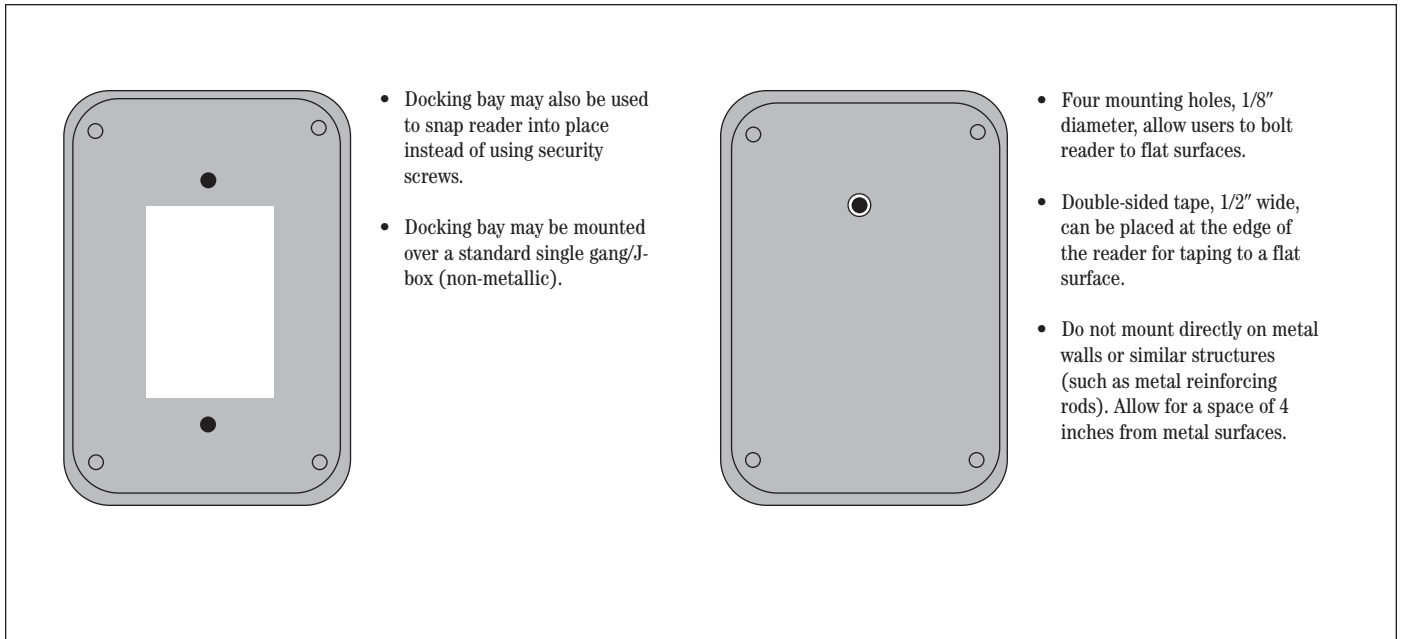
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Checkpoint®

Our business is Electronic Signatures®



Mirage II Mounting and Docking Bay



Specifications:

Input Power: 12VDC +/- 10%, 50mA

Note: The above voltage is required at the reader, therefore any voltage drop in the cable has to be taken into account. Using the cables specified below assures compliance.

Operating Temperatures:

-40°C to + 60°C

Relative Humidity:

90% max., operating, non-condensing

Reader Dimensions:

6.2" x 8.5" x 0.65"

Proximity Card Dimensions:

2.2" x 3.4" x .09"

Docking Bay Dimensions:

7.0" x 9.63" x 1"

Cables: 5 Conductor, stranded, shielded, 18 Guage for distances up to 500'.
(Belden #83655, West Penn Wire #3280 or equivalent)

Status LEDs:

Red/Green

Read Range:

4 - 6 inches

