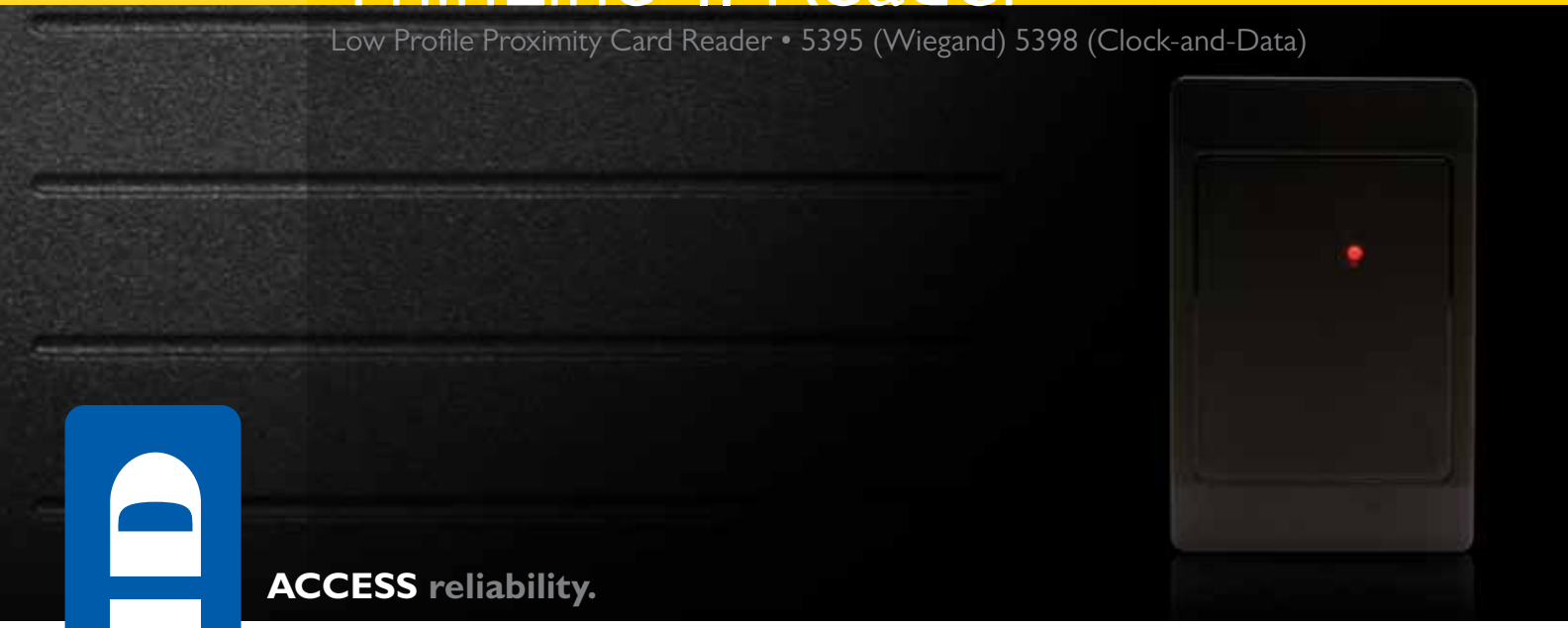
ThinLine® II Reader

125 kHz Proximity

Low Profile Proximity Card Reader • 5395 (Wiegand) 5398 (Clock-and-Data)



HID

ACCESS reliability.

Application

Providing performance and reliability, HID's attractive, unobtrusive ThinLine® II proximity card reader is housed in a two-piece, weatherproof secure potted enclosure.

Features

- Easily installed and maintained with the use of replaceable covers.
- Available with a Wiegand or Clock-and-Data interface.
- Provides high reliability, consistent read range and low power consumption.
- Features include multicolor LED and internal control or host control of the LED and beeper.
- Mounts directly on metal with minimal impact on the read range performance.
- Aesthetic design available in two cover designs and four colors to match any décor.
- Includes multilingual installation manual.

Features

Mounting
Mounts on a single-gang electrical box for easy installation. Mounts directly on metal with minimal impact on read range performance.

Audiovisual Indication
A red LED flashes green and the beeper sounds when reader is presented with a proximity card. The multicolor LED and beeper can also be controlled individually by the host system.

Diagnostics
On reader power-up, an internal self-test routine checks and verifies the setup configuration, determines the internal or external control of the LED and beeper and initializes reader operation. An additional external loop-back test allows for the reader outputs and inputs to be verified without the use of additional test equipment.

Indoor/outdoor Design
Sealed in a rugged, weatherized polycarbonate enclosure designed to withstand harsh environments, providing reliable performance and a high degree of vandal resistance.

Easily Interfaced
Wiegand output model interfaces with all existing Wiegand protocol access control systems. Clock-and-Data (magnetic stripe) model interfaces with most systems that accept magnetic stripe readers.

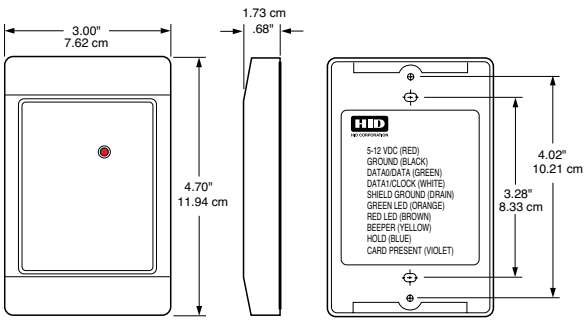
Security
Recognizes card formats up to 85 bits, with over 137 billion unique codes.

Warranty
Lifetime warranty against defects in materials and workmanship (see complete sales policy for details).

Part Numbers
Base Part No.: 5395 Wiegand interface
Base Part No.: 5398 Clock-and-Data interface
Description: Tri-State LED, internal beeper on

Options
- CLASSIC series cover in white, beige, charcoal gray or black (or)
- Designer series cover in white, wave blue, charcoal gray or black
- LED and beeper operation

(Please see "How to Order Guide" for a description of the options and associated part numbers.)



Specifications

Typical Maximum* Read Range
ProxCard® II card - up to 5.5" (14 cm)
ISOProx® II card - up to 5" (12.7 cm)
DuoProx® II card - up to 5" (12.7 cm)
Smart ISO®/DuoProx® cards - up to 5" (12.7 cm)
Proximity & MIFARE® card - up to 5" (12.7 cm)
ProxCard® Plus card - up to 1.5" (3.8 cm)
ProxKey® II keyfob - up to 2" (5.1 cm)
MicroProx® Tag - up to 3" (7.6 cm)
*Depending on local installation conditions.

Dimensions:
4.70" x 3.00" x 0.68"
(11.9 x 7.6 x 1.7 cm)

Material: Polycarbonate UL 94

Power supply:
5-16 VDC
Linear power supplies are recommended.

Current requirements:
Average: 30 mA (5 VDC); 20 mA (12 VDC)
Peak: 110 mA (5 VDC); 115 mA (12 VDC)

Operating temperature:
-22° to 150° F (-30° to 65° C)

Operating humidity:
0-95% relative humidity non-condensing

Weight:
3.3 oz. (94 gm)

Transmit frequency: 125 kHz

Excite frequency: 125 kHz

Cable distance:
Wiegand interface: 500 feet (150 m)
Clock-and-data interface: 50 feet (15 m)
Recommended cable is ALPHA 1295 (22 AWG) 5 conductor minimum stranded with overall shield or equivalent. Additional conductors may be required for LED or beeper control.

Environmental: IP55

Certifications:
UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand),
SRRC (China), MIC (Korea), NCC (Taiwan), MIC (Japan), iDA (Singapore), RoHS

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