

# ThinLine® II Reader

125 kHz Proximity

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



## **ACCESS** reliability.

### Application

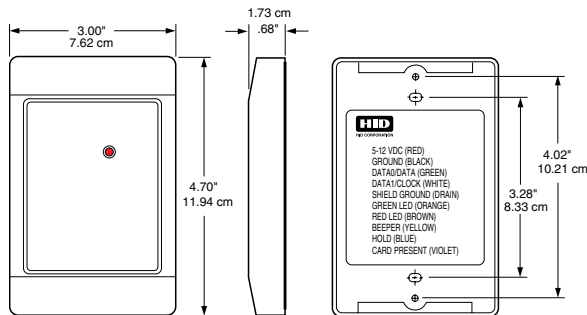
Providing performance and reliability, HID's attractive, unobtrusive ThinLine® II proximity card reader is housed in a two-piece, weatherproof secure potted enclosure.

### 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.

- 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.)



**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)

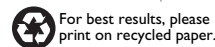
**Transmit frequency:** 125 kHz

**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.

**Certifications:**  
 Canada/UL 294 Listed  
 FCC Certification, United States  
 Canada Certification  
 EU and CB Scheme Electrical Safety (EN60950 and IEC60950 ITE Electrical Safety)  
 Fifteen EU Countries under the R&TTE Directive (EN 300 330 - SRD, and ETS 300 683 - EMC)  
 CE Mark  
 Australia C-Tick, New Zealand  
 Taiwan, China

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**ACCESS** experience.

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