

# ThinLine II® Reader

## Proximity Card Reader

5395 (Wiegand)  
5398 (Clock-and-Data)

### Application

Providing performance and reliability, HID's attractive, unobtrusive ThinLine II proximity card reader is housed in a two-piece, weatherproof 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 four colors to match any décor.



# ThinLine II® Reader

## 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:** warranted against defects in materials and workmanship for life from date of shipment (see complete warranty policy for details).

### Part numbers:

Base Part No.: 5395 Wiegand interface

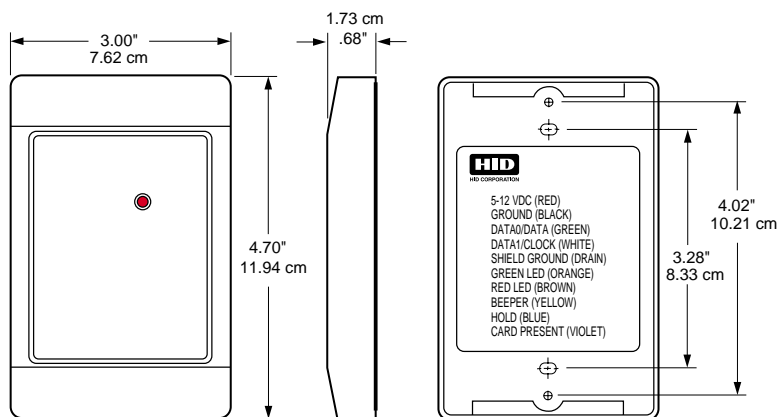
Base Part No.: 5398 Clock-and-Data interface

Description: Tri-State LED, internal beeper on

### Options:

- Color (white, beige, 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" (12.5 cm)

ProxKey™ II keyfob - up to 2" (5 cm)

ProxCard® Plus card - up to 1.5" (3.7 cm)

SmartProx™ card - up to 2.5" (6.2 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

### 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

### 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.

LIT5395DS 3/01, supersedes 8/00

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