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.
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 Interface**
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
• 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.)

**Options**
5-12 VDC (RED)
GROUND (BLACK)
DATA0/DATA (GREEN)
DATA1/CLOCK (WHITE)
SHIELD GROUND (DRAIN)
GREEN LED (ORANGE)
RED LED (BROWN)
BEEPER (YELLOW)
HOLD (BLUE)
CARD PRESENT (VIOLET)

**Features**
Mounting
Audiovisual Indication
Diagnostics
Indoor/outdoor Design
Easily Interface
Security
Warranty
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” (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
3.00” x 2.00” x 0.68”
(7.62 cm x 5.08 cm x 1.73 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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