

**5405 (Wiegand)
5408 (Clock-and-Data)**



The Prox80 is sized for easy installation to European and Asian sized back boxes.

Prox80™ Reader

125 kHz European & Asian Back Box Sized Proximity Card Reader

Application

HID's Prox80 reader is an 80 mm (3.15") square reader designed to mount directly to European and Asian size single-gang electrical back boxes. With a three-piece, weatherproof potted enclosure and long pigtail (2.7 m / 9 ft) design, the Prox80 is easily installed and provides up to 14 cm (5.5") of read range.

Features

- Unique mounting plate accommodates vertical and horizontal mounting hole patterns (60 mm) and Asian (52 mm) hole spacing.
- The long pigtail (2.7 m or 9 ft) simplifies installation by providing easy cable terminations, and increases reliability by reducing the number of cable joins.
- Multilingual installation manual supports field personnel in the proper installation of the reader.
- Available in a grey or white Classic Series cover design 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.
- Can be used with all HID proximity cards and all bit formats.



The Prox80 provides convenient, reliable access control.

Prox80™ Reader

Features

Mounting: mounts on a single-gang European or Asian electrical back 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 multi-color LED and beeper can also be controlled individually by the host system.

Diagnostics: on reader powerup, 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 84 bits, with over 1.93×10^{25} billion unique codes.

Warranty: warranted against defects in materials and workmanship for life from date of shipment. (See complete Sales Policy for details.)

Part numbers:

Base Part No.: 5405 Wiegand interface

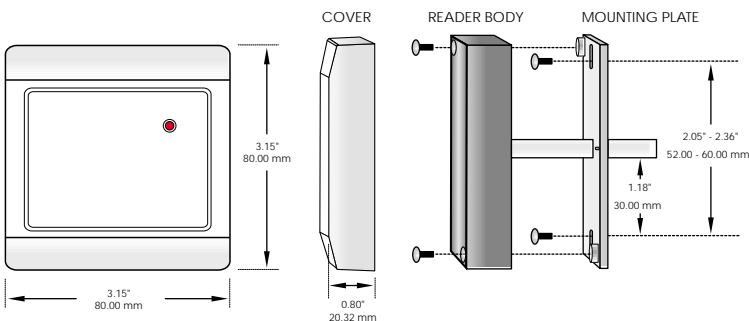
Base Part No.: 5408 Clock-and-Data interface

Description: Tri-State LED, internal beeper on

Options:

- CLASSIC series cover available in white or grey with 2.7 m (9 foot) pigtail
- LED and beeper operation

Please see "How to Order Guide" for a description of the options and associated part numbers. The "How to Order Guide" can be downloaded in PDF format from: www.HIDCorp.com/support.



Specifications

Typical maximum* read range

ProxCard® II card - up to 5.5" (14 cm)

ISOProx® II card - up to 5" (12.5 cm)

DuoProx® II card - up to 5" (12.5 cm)

ProxKey® II keyfob - up to 2" (5 cm)

MicroProx® Tag - up to 2.5" (6.2 cm)

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

Smart ISO/DuoProx® cards - up to 2.5" (6.2 cm)

Proximity & MIFARE® card - up to 5" (12.5 cm)

*Depending on local installation conditions.

Dimensions:

3.15" x 3.15" x 0.80"

(8.0 x 8.0 x 2.0 cm)

Screw slots provided for 52-60mm hole spacing

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: 2.2 oz. (63 gm)

Transmit frequency: 125 kHz

Excite frequency: 125 kHz

Certifications:

CE Mark

Australia C-Tick, New Zealand

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)

Canada/UL 294 Listed

Canada Certification

FCC Certification, United States

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.

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