

Prox80® Reader

125 kHz Proximity

European & Asian Back Box Sized Proximity Card Reader
5405 (Wiegand), 5408 (Clock-and-Data)



ACCESS reliability.

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.

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 multicolor 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 1.93x1025 billion unique codes.
Warranty	Warranted against defects in materials and workmanship for life from date of shipment. (See complete Sales Policy for details.)
Part Number	Base Part No.: 5405 Wiegand interface Base Part No.: 5408 Clock-and-Data interface Description: Tri-State LED, internal beeper on
Options	<ul style="list-style-type: none">• CLASSIC series cover available in white or grey with 2.7 m (9 foot) pigtail• LED and beeper operation <p>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.</p>

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: 5-16VDC

Linear power supplies are recommended.

Current requirements:

Average: 30 mA (5VDC); 20 mA (12VDC)

Peak: 110 mA (5VDC); 115 mA (12VDC)

Operating temperature:

-22° to 150° F (-30° to 65° C)

Operating humidity:

0-95% relative humidity non-condensing

Weight: 2.2 oz. (63 g)

Transmit frequency: 125 kHz

Excite frequency: 125 kHz

Certifications:

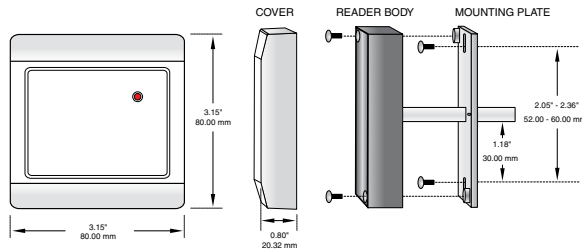
CE Mark, Australia C-Tick, New Zealand
EU and CB Scheme Electrical Safety (EN60950 and IEC60950
ITE Electrical Safety), Fifteen EU Countries under the R&TTE
Directive, (EN 300 330 - SRD, and ETS 300 683 - EMC)
Canada/UL 294 Listed, Canada Certification, FCC Certification,
United States

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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MKT-PROX80-DS-EN



ACCESS experience.

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