Weatherproof Pass-Through Reader

Weatherproof Pass-Through Magnetic Stripe Card Reader • WP644

▶ Pass-through card reading for quickest use
▶ Connects to access systems using either Wiegand or
  Clock-and-Data input
▶ Reads security badges, time and attendance badges,
  parking cards, and more (must be format compatible)
▶ Read head assembly is field-adjustable to track location
  1 or 2
▶ Mounts on single-gang electrical box or directly on a door mullion

HID

ACCESS affordability.

The Dorado WP644 Weatherproof Pass-Through Reader accepts your magnetic stripe ID badge for access control and more!

Offering a wide selection of readers, cards, and card encoders, Dorado represents the access control industry's preferred choice for magnetic stripe readers and cards.

Most access control systems use some form of plastic ID card. With the popular WP644 Pass-Through Reader, one simple motion through the card slot reads a card. A bi-color LED confirms that a card has been read, then changes color when the door unlocks. Use one card for single or multiple purposes!

The Model WP644 Weatherproof Pass-Through Reader combines ease-of-use with installation flexibility. Available with a white or black housing, the Model WP644 reader mounts on a door mullion, directly on the wall, or on a single-gang electrical box. Connect to access control systems using either a Wiegand or Clock-and-Data input.

Magnetic stripe cards are cost-effective, easy to carry, and easy to use. Users have a choice of badge size and artwork, providing a range from simple, single-purpose access cards to customized photo ID badges. The same magnetic stripe card can be double-encoded for applications ranging from door access, time and attendance, and parking to cafeteria meal purchases, vending, and book check-outs. Card encoding (including photo ID fabrication) can be done at HID or at the dealer's facility. Alternatively, the end-user may choose to do their own card encoding using the Model 420 or Model 450 encoder. Choose the card encoding method that meets your needs!

When your application requires magnetic stripe readers and cards, choose the trusted brand.

ASSA ABLOY

Specifications

Data Tracks	Track 1 or 2; high or low coercivity
Card Size	2.125"H x 3.375"L x 0.03" +/- .003" thick (54mm H x 86mm L x .76mm +/- .07mm thick)
Card Speed	8 to 50 inches (203 to 1270mm) per second
Data Rate	1 ms per bit
Approvals	UL 294; FCC Part 15, CE
Outline w/ Adapter Plate	6.00" x 1.75" x 1.49"; 152 x 38 x 43 mm 7.00" x 2.75" x 1.69"; 178 x 70 x 43 mm
Connections	Pigtail or Plug-in Connector
Cable	200' (60m) on five #22 unshielded wires 500' (150m) on five #18 unshielded wires
Output Formats	Wiegand 26-bit, Wiegand 34-bit, all bits Wiegand, and Clock-and-Data
Card Format	EMPI, ABA/ISO
Power	4.75 to 5.25 VDC @ 35mA
Mounting	Single-gang electrical box, door mullion, or directly on vertical surface
Lifetime	250,000 wear cycles. MTBF 22,000 hours
Error Rate	5% false reject 2x10-6 false accept
Static Discharge	Withstands 20,000 volts
LED	Red, Green
Material	GE Lexan (polycarbonate) in white or black
Temperature	-31° to 150° F (-35° to 66° C) operating
Humidity	5 to 95%, noncondensing
Environment	Indoor or outdoor

Card Format

	Output Format
EMPI	26 or 34-bit Wiegand
10 Digit ANSI/ISO*	26 or 34-bit Wiegand
ABA/ANSI/ISO	All bits Wiegand or Clock-and-Data up to 37 characters

* First five digits are site code, last five are card number

Product Compatibility
The Dorado WP644 reader is compatible with mainstream access controllers that accept a Wiegand or Clock-and-Data input from a card reader. The reader accepts cards encoded on track 1 or 2, and are encoded with either ABA/ANSI/ISO or EMPI encoding. EMPI is HID's own encoding format that provides a higher level of security than standard ABA/ANSI/ISO encoding. ABA/ANSI/ISO encoding format refers to the industry standard 75 BPI, 5 bits per character encoding (ISO 7810 Track 2).

Warranty
27-month limited warranty covering parts and labor. (Magnetic stripe reader heads are not covered under this warranty; for complete details, please see HID's Sales Policy.)

How to Order
Dorado WP644W
Weatherproof Pass-Through Magnetic Stripe Card Reader
Color: White
Part Number: 3110-6444

Dorado WP644B
Weatherproof Pass-Through Magnetic Stripe Card Reader
Color: Black
Part Number: 3110-6445

For complete ordering details, please see HID's How to Order Guide found at http://www.hidglobal.com/documents/wiegand_magstripe_htog_en.pdf

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