Combination/Transition Readers

Combination Mag Stripe/Proximity Reader • 230
Combination Mag Stripe/Proximity Reader with Keypad • 240

- Weatherproof housing design in an insertion-style reader or reader with keypad for increased security
- ▶ Connects to access control systems with Wiegand interface and Clock-and-Data format
- ▶ Reads security badges, time and attendance badges, parking cards, and more (must be format compatible)
- ▶ Read head assembly is adjustable to track location 1, 2, or 3
- ▶ Mounts on single-gang electrical box



ACCESS affordability.

HID's Combination/Transition Readers provide a single reader that simultaneously supports both magnetic stripe and proximity technologies. When a PIN is needed, HID also offers a single reader with keypad that supports magnetic stripe, proximity, and PIN use. These two

combination/transition readers provide specific solutions to system upgrade challenges.

To provide a seamless technology bridge with one common output, HID's combination readers will read both magnetic stripe and proximity cards. By allowing the use of existing magnetic stripe cards while gradually upgrading to newer proximity technology, substantial cost savings can be realized. In addition, the upgrade process is simplified. Implementation can occur as budgets and schedules allow.

For those users who require additional security or have applications requiring a PIN, HID offers combination readers with or without a keypad. Choose the combination/transition readers that offer the technologies you need for each application!

The combination/transition readers are compatible with HID's EMPI and Standard 10 or 12 digit ABA/ANSI/ISO magnetic stripe cards. It will also read up to the first 64 bits of any customer-encoded ABA cards. The readers are also compatible with HID Proximity formats up to 36 bits and Dorado EMPI proximity formats.

When your application requires combination/transition readers and cards, choose the trusted brand!

An ASSA ABLOY Group brand ASSA ABLOY

Specifications

Proximity Card Read Range

Model Dorado 230: 4" - 5" (16mm x 20mm)

Model Dorado 240: 2" - 3" (8mm x 12mm)

Card Reading Speed

Less than 80 milliseconds

Output Formats

MS 26 or 34-bit Wiegand, all bits Wiegand up to 64 bits Prox-as encoded on card, up to 36-bits

Approvals

FCC Part 15, CE

Housing Dimensions

4.56" x 3.00" x 1.14" (17.95mm x 11.81mm x 4.49mm)

Card Format

Magnetic Stripe:

ABA/ANSI/ISO up to 64 bits (insert reader reads 2/3 of the

Proximity:

mag stripe)

HID up to 36 bits EMPI

Connections

Plug-in 8" (200mm) connector

Cable Length

200' (60m) on #22 wires 500' (150m) on #18 wires

Keypad Output

Telephone arrangement outputting

Static Discharge

Withstands 20,000 volts

LED

Red, Green

Buzzer

Activates on card acceptance

Case Material

GE Lexan (polycarbonate) in black

Temperature

31° to 150° F (-35° to 66° C)

Humidity

5% to 95%, non-condensing

Environment

Indoor or outdoor

Color:

Description

Dorado 230: Combination Mag Stripe/Proximity
Dorado 240: Combination Mag Stripe/Proximity with

Part Number

Dorado 230: 3110-2305 Dorado 240: 3110-2405

Warranty

27-month limited warranty covering parts and labor. For com-

plete details, please see HID's Sales Policy.

For complete ordering details, please see HID's How to Order

Guide found at

www.hidcorp.com/products/product-ordering-guide.html.

@ 2007 HID Global. All rights reserved. HID, and the HID logo are trademarks or registered trademarks of HID Global in the U.S. and/or other countries. All other trademarks, service marks, and product or service names are trademarks or registered trademarks of their respective owners. Rev. 4/2007



MKT-MAG230/240_DS_EN



ACCESS experience.

hidcorp.com

HID Global Offices:

Latin America
Circunvalacion Ote. #201 B
Despacho 2
Col. Jardines del Moral
Leon 37160, Gto.
Mexico

Europe, Middle East & Africa Homefield Road Haverhill, Suffolk

ASSA ABLOY An ASSA ABLOY Group brand