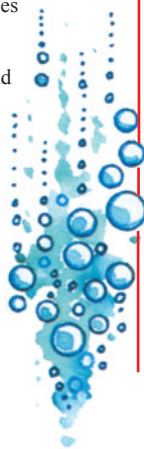# Bar Code Spoken Here.

The EZBarcode Card Reader gives you bar code input, Wiegand output, a rugged waterproof case, and a great price!

Why bar code?

Bar code cards are simple to create and easy to use. They provide the lowest-cost cards of any access control technology. Most card manufacturers can provide bar coded cards. A variety of PC based bar code printing products also is available, to enable you to print bar codes and apply them to badges and ID cards. And bar code masking products are available to prevent counterfeit duplication and provide a high level of security.
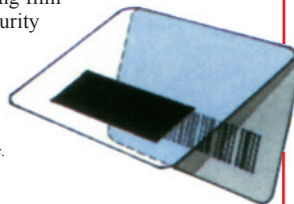
Rugged and waterproof

The reader has a tough carbon-filled polycarbonate shell. It is sealed against moisture, with all electronics completely encased in epoxy, and rated for use from -20° to +150°F (-30° to +70°C).

Reads all bar code types

The EZBarcode reader decodes all common and many uncommon bar code symbologies. It is autodiscriminating, and reads in both directions. It reads well with a wide range of bar code densities and scanning speeds. And standard infrared optics make it compatible with most masking film and bar code security coverings.

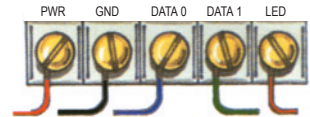*EZBarcode reads all standard bar code types — and works with security overlaminates.*

Optional visible light input

The EZBarcode reader also is available with a visible light read head, enabling it to read bar codes generated by photo-ID badging systems.

Easy to interface with any system

Connect to your existing system with a standard five-wire interface.

PWR   GND   DATA 0   DATA 1   LED

The EZBarcode reader outputs in Wiegand, magstripe or ASCII formats. It connects to most access control systems with an industry-standard five-wire interface. You can add bar code reading to an existing system with ease.

To learn more

Call us today, and learn how easy it is to create quality access control systems that benefit from the simplicity and cost savings of bar code technology.

TimeKeeping Systems, Inc.

30700 Bainbridge Road • Solon, Ohio 44139
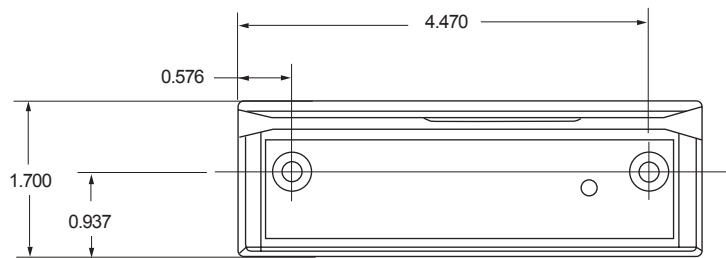Phone: 216-595-0890 • Fax: 216-595-0991
E-mail: info@ezbarcode.com

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EZBarcode® Access Control Module II

Spacifications

General

External dimensions: 5.05" x 1.70" x 1.54"
Weight: 6 ounces
Housing material: Carbon filled Polycarbonate
Finish: Natural (Black)
Mounting hardware: Two 2" #10-32 x 1/2", pan head machine screws

Electrical:

Operating Voltage: +5VDC to +5.5VDC regulated
5.6VDC to +12VDC unregulated
Power Consumption: 40 mA

Environmental:

Operating temperature: -20°F to +150°F (-30°C to +70°C)
Operating Humidity: 5 - 95%, non-condensing
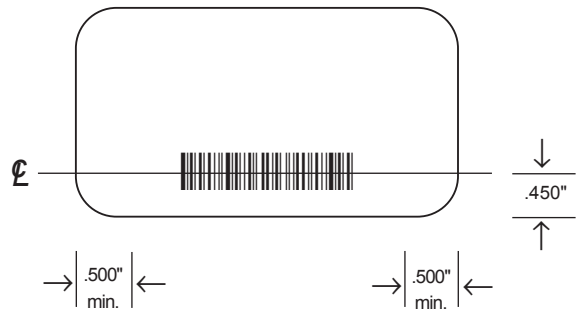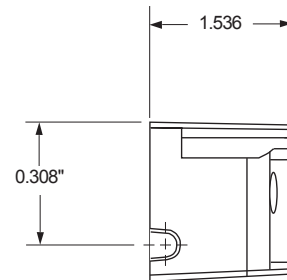Water Resistance: Sealed against moisture

Cabling:

Cable type: Shielded 8 conductor plus drain, 24 AWG
Cable length: 6 ft.
Cable pinout:

Red	Power
Black	Ground
Purple	Data 1
Green	Data 0
Brown	LED Control
Blue	Hold
Orange	ASCII Select
Yellow	BCD Select
Drain	Shield Ground

Bar Code Input:

Maximum Resolution: 5 mils (.005")
Card Thickness (max.): 0.065"
Read Head Optics: Infrared (visible light by special order)
Scanning Speed: 3 to 30 in./sec. (with 7 mil bar code)
Bar Code Center Line: 0.450"
Bar Code Height: 0.250"
Bar Code Symbologies: Most bar code symbologies are supported, including Code 39, Interleaved 2 of 5, Codabar,UPC-A, UPC-E, EAN, Code 11, Code 93, Code 128, MSI
Bar Code Decoding: Bidirectional, autodiscriminating

Output:

Wiegand: ASCII & BCD Select unconnected
ABA Track 2 Emulation: BCD Select connected to ground
TTL Level ASCII: ASCII Select connected to ground
ABA in Wiegand Pulses: ASCII & BCD Select connected to ground

Output Selection for Wiegand Type Modules

WIRE		MODE			
Name	Color	Wiegand	ABA Track II	TTL ASCII	ABA Wiegand
Data 1	Purple	Data 1 Output	BCD Data		BCD Data
Data 0	Green	Data 0 Output	BCD Clock	TTL ASCII Output	BCD Clock
ASCII Select	Orange	Not Connected	Card Present Output	Connected to Ground	Connected to Ground
BCD Select	Yellow	Not Connected	Connected to Ground	Not Connected	Connected to Ground

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