

Access Controls International

ECS - BA 200 Barcode Reader

Developed Specifically for Vehicle Access Control.

Designed for Top Level Performance and Reliability in Any Kind of Weather.

These design goals have been confirmed by extensive environmental testing and continuous on site evaluation.

The ECS - BA200 can be easily included as part of an integrated ECS access control system allowing the efficiency of maintaining a single central data base for all users at all locations. The ECS - BA200 also has its own built-in software which allows it to be used as a stand-alone access controller in many applications. It can be quickly programmed to grant or deny access for up to 100,000 vehicles at each location, including time and date logging.

The ECS - BA200 barcode scanner is a moving beam laser scanner designed to read retro-reflective barcode labels on moving vehicles. It is an ideal access control scanner for gated communities, airports, parking garages, hospitals, rental car lots, government installations — anywhere vehicle access control is needed.

Housed in a durable painted aluminum or optional stainless steel enclosure, the scanner works around the clock, easing the workload of gatekeepers and security personnel.



Features/Benefits

- Programmable, to grant or deny access, for up to 100,000 vehicles, with time and date logging.
- Designed with flexible operating features, to allow easy interface to existing installations.
- User application parameters are pre-programmed at the factory, but reprogramming is quick and easy.
- High Scanning Rate - 400 scans per second facilitates accurate decoding of labels on moving vehicles.
- Modular - Designed with quick disconnects for easy field service, the electronics and optics modules can be removed and replaced easily and quickly without de-mounting the scanner housing.
- Built in diagnostics for easy fault isolation and fast field servicing.
- Environmentally sealed to NEMA 4 standard.
- Maintains a constant read rate of 99+%.
- Scan width minimum of 30" throughout the 24" to 72" read range in all weather conditions.
- Scanner can recognize a vehicle, with or without a detector loop, and transmit only one time per label.
- External Laser "ON" indicator.
- Designed (for security purposes) to ignore a standard or photo-copied label.
- Meets CDRH Class II laser safety specifications.
- Communication via RS 232C, and Wiegand 26, 30, and 31 bit formats.



ECS - BA 200 Barcode Reader

(preliminary specifications)
subject to change without notice

for Vehicle Access Control

Laser Type:

Light Source: Visible Laser Diode
Output Wavelength: 670 NM
CDRH Safety Class II, 1mw max output

Scanning subsystem:

Type: Unidirectional
Rotating 8 facet polygon mirror
D.C. brushless motor
Scan Rate: 400 scans per second
Scan Angle: 60 degrees

Optical Specifications:

Operating Distance: 24 to 72 in.
Label-dependent (with a 50 mil narrow bar)

Barcode Labels: Barcode labels resist removal and cannot be copied. A special weatherproof adhesive adheres the label to the vehicle.

Decoding Capability: Code 39, Interleaved 2 of 5, Binary

Communication:

Data rate: 1200, 2400, 4800, 9600, 19200, 38400 Baud
Configuration: 8N1

Interface:

Serial RS-232C and Wiegand Interface

Scan Trigger Options:

Automatic, Loop Detector

Display indicators:

Laser On, Good Read, Internal Diagnostics

Electrical Specifications:

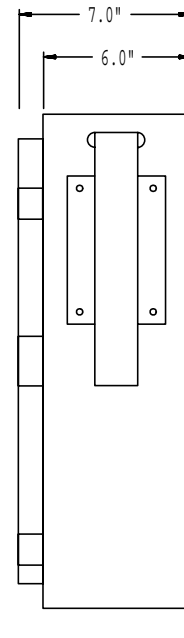
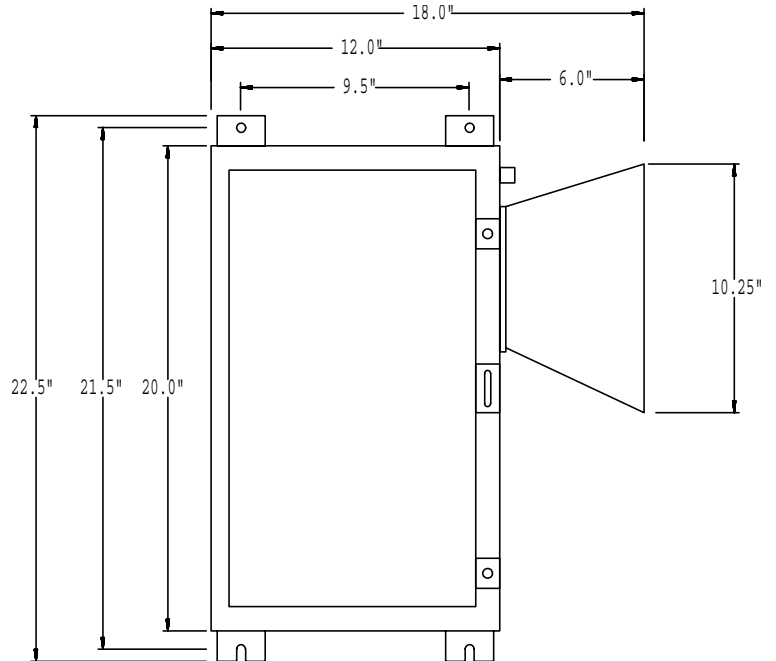
Voltage input: 115/230 VAC single phase @ 50/60Hz
Power: 40 Watts typical, 100 Watts max.(with heater on)

Environmental Specifications:

Operating Temperature: -22 to 130° F
Relative Humidity: 10% to 100% (non-condensing)
Microprocessor based internal temperature control

Mechanical Specifications:

Design: NEMA 4
Dimensions: See drawings above for details



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