Passport™ 360 Card Reader System


Photo shown is with optional display and intercom

Flexible with wide range of technologies

Features:

- Operates with ScanNet for host-based operation or offline for stand-alone operation.
- Programming with a PDA (personal digital assistant) via an infrared interface.
- Capacity to store over 100,000 unique ID numbers.
- Two programmable relay contact outputs for pulsed or latched activation.
- Four programmable 12 VDC inputs for digital signals: Inhibit, Monitor, Egress, and Link.
- Message up to 16 characters long for display option.
- Storage for all programming is retained in battery backed RAM. Information stored includes:
  1. Valid/Void Status
  2. 16 time zones, 16 groups
  3. 16 holidays
  4. Mode of operation of each input
  5. Message text
- Supports Wiegand, Dyna, Radio AVI, Proximity, Bar Code, Magnetic Stripe.

Options:

- Keypad
- LCD visual display
- Intercom

Passport 360 Reader

The Passport 360 is an access control device that provides a vend signal when a valid access card is presented. The vend signal allows a door lock, barrier gate or other control device to be actuated allowing patron access to the facility. The Passport 360 controller provides all the control you need. This reader features a wide range of technology and program flexibility to satisfy your access requirements. It allows you to match a variety of configurations and reader technologies, including Proximity, Magnetic Stripe, AVI, Bar Code and Dyna Read (barium ferrite).

Intelligent Reader

The Passport 360 Reader can be linked as part of a computerized, on-line facility management system, or used as a stand alone off-line device. This intelligent reader gives you the security you need with an advanced distribution processing architecture, ensuring continual and independent operations at all times. Decisions such as ID status, time zones, and issue levels are made at the reader and do not require external memory.

Computer Control

This versatile reader system offers the advantage of centralized computer control. By using our ScanNet® Central Management System you can create, store, send, and retrieve all programming from a central desktop computer. With simple keyboard commands you can track monthly patrons, and control access to certain areas, lots, and even entire buildings. You can send commands to generate a remote vend, set the antipassback mode, resync a single card passback status, and automatically resync all cards on a daily basis. Real-time activity reports can be printed from a central computer.

Reader Programming

The Passport 360 Card Reader functions off-line for stand-alone operation, or on-line with ScanNet for host-based operation. Programming can be accomplished by using our ScanNet Central Management System or by using as PDA (personal digital assistant). With the PDA you can load and store all programming information directly on the handheld, and transfer that information to other readers. Processing and storing programmed information can be done locally.

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FEDERAL APD

Federal Signal Corporation

www.federalapd.com

Specifications

Passport™ 360 Card Reader System

1. **Purpose:**
   The Federal APD Passport 360 Card Reader is an access control device that provides a vend signal when a valid access card is presented to the read head. The vend signal allows a door lock, barrier gate, or other control device to be actuated.
2. **Features/Functions:**
   a. The Passport 360 Card Reader functions offline for stand-alone operation, or online with ScanNet for host-based operation.
   b. All programming can be accomplished using ScanNet over a network or using a PDA (with 8MB internal memory or higher, and Palm OS® software V4.0 or higher) connected via an infrared interface.
      1. The PDA allows the user to load and store all programming information with a simple command.
      2. The information uploaded from the reader into the PDA can be transported to another reader.
      3. The Passport 360 has the ability to process and hold all of its programming locally.
   c. The Passport 360 Card Reader provides over 100,000 unique ID numbers with the following capabilities:
      1. Each ID number may be individually assigned to any one of 16 groups.
      2. Each of the 100,000 cards may be re-issued up to 16 times without changing the ID number or losing card capacity.
      3. With the optional keypad, ID numbers 1-1,100 may correspond to access codes (pin numbers).
   d. The Reader is capable of storing up to 3,000 card transaction and status messages.
   e. The Passport 360 Card Reader has the following configurations:
      1. ID numbers can be individually assigned to 1, 2, 4, 8, or 16 group or groups depending on the Group/Issue Level combination programmed.
      2. Issue levels and group combinations are selectable in the following combinations:
         a. 16 Groups and 1 Issue Level
         b. 8 Groups and 2 Issue Levels
         c. 4 Groups and 4 Issue Levels
         d. 2 Groups and 8 Issue Levels
         e. 1 Group and 16 Issue Levels
   f. The Passport 360 has the capacity to store and accept six different facility codes.
   g. The reader has the capacity to assign a Privilege ID status to any of the 16 ID cards in the system.
      1. Privilege IDs have the ability to override the Anti-Passback System.
      2. Privilege IDs have the ability to override inputs programmed for inhibit mode so that a cardholder with a privilege ID may vend a gate without a vehicle presence.
   h. The Passport 360 has the ability to use up to 16 time zones to limit access to facilities.
   i. The reader has the ability to use up to 16 holidays to control access to facilities.
   j. The Passport 360 Card Reader is capable of performing the following security checks without the assistance of a host computer or central processor:
      1. Alien Card Check
      2. Valid ID Number
      3. Valid Group Number
      4. Valid Issue Number
      5. Valid Time Zone
      6. Timed Passback Status
      7. Valid Facility Code
   k. Four inputs are available on the Passport 360:
      1. Egress
      2. Monitor
      3. Link
      4. Inhibit
   l. Vends are outputs that send signals from the Passport 360 to locking devices or security alarm contacts.
   m. The Passport 360 has the capability to automatically detect the baud rate.
   n. The Wiegand interface is standard on the Passport 360 Card Reader. This interface can connect with devices that are compatible with the Wiegand interface specifications such as AVI, Proximity, Magnetic Stripe, Bar Code, and Federal APD Dyna (Wiegand).
   o. The reader supports an optional 2 line, 16-position alphanumeric LCD display.
3. **Hardware Dimensions:**
   a. Dyna read head: 3 W x 4 ½ H x 3 D inches (76 mm W x 114 mm H x 76 mm D).
   b. Magnetic Stripe read head: 6¼ W x 1 ¾ H x 1 ½ D inches (159 mm W x 45 mm H x 38 mm D).
   c. Proximity read head: 5½ W x 1 11/16 H x ¾ D inches (5 mm W x 61 mm H 20 mm D).
   d. Bar Code Read Head: 4 7/8 W 1 3/8 H x 1 ¼ D inches (124 mm W x 61mm H x 32 mm D).
   e. Controller: 8 11/16 W x 5½ H x 1 ½ D inches (220 mm W x 140 mm H x 40 mm D).
   f. Power Supply: 2 7/8 W x 4 5/8 H 1 2/8 D inches (64 mm W x 112 mm H 30 mm D).
   g. Metal Enclosure: 10 W x 7 7/8 H 8 ½ D inches (254 mm W x 199 mm H 216 mm D)
   h. Gooseneck Stand: 2 square (50.8 mm) tubing, 35 H inches (889 mm). When mounted on a 6 inch (152.4 mm) curb, center of enclosure mounting plate is 41 inches (1041 mm) from pavement.
4. **Electrical Requirements:**
   a. Dyna Read Head: 0.5 ampere at 5 VDC inputs.
   b. Magnetic Stripe Read Head: 35 mA at +5 volts.
   c. Proximity Read Head: +12 VDC nominal.
   d. Controller: 0.2 Ampere at 12 VDC (input) +/- 10%.
   e. Power Supply: 1 Ampere at 110 VAC input and output of 12 VDC at 2.5 Ampere.
5. **Temperature Requirements:**
   a. Controller: operates at a -40^0 to 140^0 f (-40^0 to 60^0c).
   b. Display: operates at -5^0 to 122 f (-20^0 to 50^0 c).

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