

ValuePass™

Prepay Parking System



Prepay Parking

The Federal APD ValuePass System is a contemporary debit card system

that provides prepayment utilities for your parking patrons. Designed for facilities of all sizes, this prepay parking system offers your operation a new source for incremental services and profits.

As an on-line card access system, ValuePass can be used as a monthly card or as a debit card with an assigned value. This stored value can be marketed as units of time, dollar value, and/or number of uses. When used in a ValuePass exit reader, the appropriate sum is automatically deducted from the pass while the remaining value is displayed on the reader's message screen.

Existing installations can easily upgrade to this revenue generating system with cost-effective hardware and software add-ons. System requirements include ValuePass card readers (which may be upgraded from Passport Plus® card readers) and SCAN™ System software for centralized computer control.

The ValuePass System offers you a choice of reader technologies, including Dyna Read™, Bar Code, Magnetic Stripe, Proximity, and Wiegand.

Create Passes On-Site

Passes can be created on-site with the optional ValuePass Posting Reader. This on-line device allows authorized personnel to create new passes, add value to an existing pass, refund value from an existing pass,

or display the remaining stored value of the pass.

Generate New Revenues

ValuePass offers you a value-added method to generate new revenues at your parking operation. Cashless transactions made with debit passes (such as phone cards, gas cards, etc.) enable enterprising operations to aggressively market their business and increase incremental profits.

Plastic access cards can be produced with custom designed graphics to advertise your business or service. Marketing tie-ins for special events – such as promotional packages for conventions, theaters, stadiums, and retail merchants – offer new sources of revenues.

ValuePass cards can be bundled with special courtesy packets for hospitals, hotels, and airports. Repeat customers, such as monthly card holders or controlled taxi queue lanes, will benefit from your ability to recharge the value of the pass on demand.

Features:

- Prepay parking passes programmed by:
 - Total time purchased
 - Total dollar value purchased
 - Total number of uses
- Use as monthly card or prepay debit card
- Wide range of reader technologies available:
 - Dyna Read™ (barium ferrite)
 - Bar Code
 - Magnetic Stripe
 - Proximity
 - Wiegand
- Visual display enables patron to verify transactions and monitor remaining value
- Programmable fee structures at each reader in the system
- Central PC-control with the Federal APD SCAN System

Options:

- ValuePass Posting Reader for creating passes on-site



Monthly card or debit card system



FEDERAL APD

Federal Signal Corporation

ValuePass™ Prepay Parking System Specifications

1. Purpose

The ValuePass System shall be a decrementing and value storage access control system. The ValuePass System shall provide the facility administrator with the ability to pre-sell plastic access cards with a specific value indicated in time, dollar amount, or usages. ValuePass entry readers shall permit parkers with valid passes to enter the facility. When a pass is used in a ValuePass exit reader, the appropriate sum shall automatically be deducted and the reader shall display the remaining value left on the pass to the pass holder.

2. Features/Functions

The ValuePass System shall require the SCAN System Access software module in addition to the ValuePass software module. Each of the main software versions of the SCAN System (Parking, Access and Revenue) may be configured with options specific to that version.

- a. ValuePass software shall allow authorized operators to generate passes and assign: (1) a ten-digit ID number, (2) the time and date at which the pass becomes valid, (3) the time and date at which the pass expires, (4) the value of the pass which may be one or a combination of the number of usages purchased, the dollar amount of parking purchased, the amount of time purchased (hours/minutes).
- b. The ValuePass System shall allow authorized operators to: (1) create passes, (2) add value to a pass, (3) refund value from a pass, (4) modify a ValuePass, (5) deduct value from a pass at the exit by time, dollar amount, or the number of trips, or any combination of the three, (6) check the value stored in a pass at the entry, (8) act as a crossover reader and determine which fee structure to assign to the ValuePass as the pass holder moves from one area of the facility to another.
- c. ValuePass readers may be programmed to do one of the following: (1) deduct a flat fee from each pass, (2) deduct a time-based fee from each pass, (3) deduct a flat fee and a time-based fee from each pass.
- d. When programming fee data, the operator may assign fee structures to the

ValuePass readers in the system. Fee structures may indicate the rate, the value to be deducted, and repeat count for six rate blocks per fee structure, and may define the fee structure values for three different times periods (day, night, or weekend).

- e. ValuePass programming shall allow an operator to define grace times used for each ValuePass reader.
- f. ValuePass programming shall allow an operator to define a minimum entry value which shall indicate whether the reader should check each ValuePass to determine if the pass has sufficient value remaining to allow the pass holder to enter the facility.
- g. ValuePass programming shall allow an operator to define the value to be assigned to passes for readers which will be used to create passes. Creation value may be defined by: (1) usages, dollar amount, and/or time of value, (2) start time the pass will become valid, (3) expiration time of the pass, (4) maximum daily usages indicating the number of times per day the pass holder may use this pass, (5) cash charged indicating the amount of cash charged for the pass, (6) number of total days the pass may be used, (7) number of days the pass may be used after the first usage of the pass.
- h. ValuePass programming shall enable an operator to: (1) define whether a reader should check if a pass has been restricted by the number of usages allowed per day, (2) indicate the ID number ranges for passes and transient ticket numbers, (3) program a reader for Single Device Access Mode in which only flat charges will be applied to a parking stay, (4) program readers for passback mode.
- i. The ValuePass System shall provide data and statistical reporting capabilities, including: (1) Paid Pass Manager which shall allow the user to check information on passes currently issued to pass holders, (2) Expired Pass Manager which shall provide report capabilities on ValuePass records which are no longer active in the system, (3) ValuePass Transaction Report

which shall contain all transactions tied to a pass, (4) ValuePass Revenue Statistics which shall store grand total sales, total sales, total number of passes created, number of passes created for each device and attendant.

3. Construction/Hardware

- a. SCAN System Software with SCAN Access and ValuePass Software modules operating on a PC-based computer.
- b. SCAN Port Controller with SCAN Access and ValuePass software.
- c. Passport Plus Card Readers; may be used as a ValuePass reader exclusively, or may be used in conjunction with monthly systems. The communicating reader shall consist of a read head and a Passport Plus logic module with ValuePass software housed in a durable steel enclosure with a two-line by 16-character LCD display and power supply. The ValuePass Reader may be mounted on a gooseneck stand. Interconnections between units shall be via plug-in cables.
- d. Federal APD ValuePass Posting Reader, an optional, on-line decrementing device which shall cause value to added, subtracted, or cause a new debit card to be created based on authorized operator use.
- e. The ValuePass Posting Reader shall store and accept six different Facility Codes, enable the user to assign privilege ID status which may override the anti-passback system and override inputs programmed for inhibit mode to vend a gate without a vehicle presence, process and store all of its programming locally, and communicate with the Federal APD SCAN System.
- f. The ValuePass Posting Reader may be stationed at remote locations to: (1) display the value of a pass, (2) add value to a pass, (3) refund value from a pass, or (4) create passes. This functionality shall be set by a keyswitch.



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