

SST® Exit Verifier Model ML 3000



SST is a registered trademark of Federal APD, Inc.

Features:

- Provides machine readable exit lane control when used with central cashing systems
- Rust-resistant aluminum construction
- Modular SST Ticket Transport Mechanism with magnetic read head and thermal printer
- On-line or off-line operation
- Programmable grace times
- Backlit LCD message display
- Advanced AutoRead Controller with built-in diagnostics and activity reports

Options:

- ValueCard System
- Credit Card Processing System



Traffic control at the exit lane

Central Cashing Revenue Control

Located at the exit lane, the SST Exit Verifier is used to control lane traffic with a central cashing parking system.

With a central cashing system, the patron receives a magnetic stripe ticket from the SST Ticket Spitter at the entrance. Before returning to their vehicle, the patron stops at the appropriate cashier zone

to pay the parking fee. The cashier (or SST Automatic Pay Station) automatically processes the ticket, collects the fee and reassigns the same ticket with a pre-programmed grace time that allows the patron to return to their vehicle and exit.

At the exit lane the patron inserts the ticket into the SST Exit Verifier, which scans the ticket for validity and raises the gate automatically, providing the patron exited with the allotted grace period. If not, the machine requests that the patron return to the cashing station to pay the amount due.

Smart System Transport (SST®)

The magnetic properties in the SST Transport/Validator mechanism are designed to read magnetic stripe information from SST tickets, ValueCard access cards, and credit cards. Short term tickets, special tickets, and bank cards of all types are processed through the single transport slot.

The transport's clam shell design

provides easy access to the ticket stream and magnetic read/write heads. This universal mechanism is used in ticket dispensers, fee computers, automatic pay stations, exit verifiers, and merchant validators – which keeps your stocking requirements at a minimum.

Durable Construction

The unit features durable aluminum construction, armored with an element-resistant enamel finish for years of rust free service. The cabinet front consists of a heavy duty aluminum cast face plate with a two-line by 20-character visual display that provides instruction messages to the parking patron.

Efficient Processing

Federal APD offers you a fully integrated line of access and revenue control products that work together to deliver a true system approach to parking. The SST AutoRead System completely automates your parking operation with machine readable precision. The speed of automated egress processing - using the SST Exit Verifier - eliminates the need for multiple lanes while significantly reducing the congestion found at the exit lanes.



FEDERAL APD

Federal Signal Corporation

SST® Exit Verifier

Specifications

1. Purpose

The Model ML 3000 SST Exit Verifier shall be an automatic magnetic ticket reading/verification device. It shall accept magnetically encoded SST AutoRead tickets and provide a vend signal when a validated magnetic stripe ticket is inserted. The vend signal shall activate a barrier gate or other barrier to allow access.

2. Features/Functions

- a. The SST Exit Verifier shall accept a magnetically encoded ticket. When the patron's vehicle is on the arming loop, the SST Exit Verifier LCD display shall display the message "Please Insert Ticket".
- b. When the ticket is inserted, the SST Exit Verifier shall read the time, date, and other information from the ticket to determine the following: (1) If the data on the ticket is valid, the device will vend the gate, allowing the patron to exit, (2) If the ticket has not been paid, the ticket shall not be accepted and the device shall display the message, "Pay Cashier First", (3) If the facility codes do not match, the ticket will not be accepted and the message "Not A Valid Ticket" will display, (4) If grace time has not lapsed, the SST Exit Verifier shall retain the ticket and allow the patron to exit the facility, (5) If the grace time has lapsed, the device shall display the message "Return To Cashier" and return the ticket to the patron for repayment at the overstay rate.
- c. Once the SST Exit Verifier has performed all the required checks and determines that the ticket is valid, the SST Validator Mechanism shall process the ticket and deposit it in a validated ticket bin.
- d. The gate arm will raise and the device's visual display will show the message "Thank You".
- e. If the ticket is rejected because it is unreadable, the SST Validator Mechanism shall eject the ticket so that the patron may retrieve it and return to

the central payment station to repay the parking fee. The message "Cannot Read Ticket" shall be displayed.

- f. When the SST Exit Verifier is not in operation, the LCD display shall show the message "Not In Operation."
- g. The AutoRead Controller shall allow for local programming using the keypad on the controller. These features shall also be programmable from the PC-based SCAN System if the SST Exit Verifier has communication capabilities: (1) Paid Grace Period, (2) Unpaid Grace Period, (3) A three-digit facility code to uniquely identify the device for a particular lane or facility, and (4) The first eight characters of the top line of the LCD display shall be user programmable.
- h. The device's AutoRead Controller shall provide the capability to view Total Event and Exception Event reports on its visual display. Total Event reports shall provide messages for all conditions in the lane. Exception Event reports shall provide a list of unusual events in the lane. Messages which appear in the Exception Event Report shall also be displayed in the Total Event Report. The following types of conditions will be acknowledged by messages in these reports: (1) External loop input was activated, (2) A valid ticket was inserted in the SST Exit Verifier which has expired its grace time, (3) A ticket with an invalid facility code was rejected, (4) A ticket was rejected because it was not paid, (5) A ticket was rejected because it had already been used to exit, (6) A ticket was rejected because the ticket number was invalid.
- i. The SST Exit Verifier shall be UL Listed (Canada/U.S.), and shall be available with the CE Mark.

3. Dimensions

- a. Maximum overall dimensions for the SST Exit Verifier shall be 20 in W x 44 in H x 20 in D (508 mm W x 1118 mm H x 508 mm D).

- b. The cabinet base shall be 20 in W x 44 in H x 16 in D (508 mm W x 1118 mm H x 406 mm D).

4. Electrical

- a. Power input requirements shall be 115 VAC at 6 Ampere. Optional power input requirements shall be 220 VAC at 3 Ampere.
- b. The SST AutoRead Controller shall be powered by the controller power supply assembly.
- c. The SST Validator Mechanism shall be powered by a separate 24 VDC power supply.

5. Construction

- a. The SST Exit Verifier housing shall be of heavy gauge, all aluminum welded construction.
- b. The cabinet shall be finished in a powder coat paint in either Federal APD Safety Yellow or Federal APD White (as specified) for maximum visibility and safety. Other colors shall be available when specified. The front panel shall be black.
- c. The cabinet shall be compartmentalized to allow access to the tickets or to the AutoRead Controller.
- d. A 500 watt heater assembly shall be provided in the inside of the cabinet.
- e. The SST Exit Verifier shall include an SST Validator Mechanism which shall be fastened to the unit's cabinet by a spring-loaded fastener.
- f. The SST Exit Verifier shall include an AutoRead Controller, Power Supply, Terminal Board and a Configuration Module.
- g. The AutoRead Controller shall plug directly into the connections panel via two keyed, 37-pin and 25-pin connectors.
- h. The Power Board shall provide 14 output terminals and 11 input terminals.
- i. The AutoRead Controller shall provide all logic control and monitoring functions of the Exit Verifier.



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