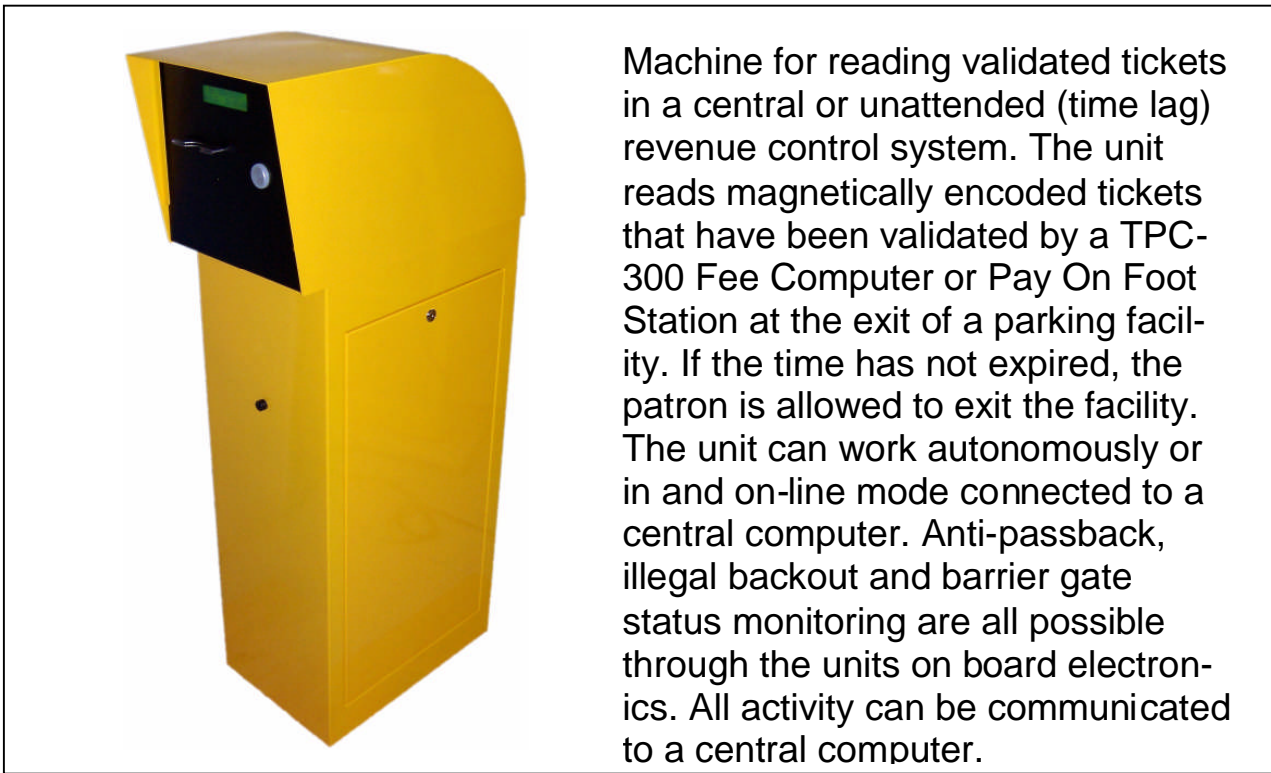


TICKET READER TR-21

Product Specification



Machine for reading validated tickets in a central or unattended (time lag) revenue control system. The unit reads magnetically encoded tickets that have been validated by a TPC-300 Fee Computer or Pay On Foot Station at the exit of a parking facility. If the time has not expired, the patron is allowed to exit the facility. The unit can work autonomously or in and on-line mode connected to a central computer. Anti-passback, illegal backout and barrier gate status monitoring are all possible through the units on board electronics. All activity can be communicated to a central computer.

A. HOUSING

The base shall be weatherproof and constructed of heavy gauge steel not less than #14 gauge. All seams and joints shall be electric bead welds. No spot welds shall be acceptable for base construction.

The base of the housing shall be provided with risers which shall keep the floor of the base off the mounting surface in order to provide air circulation beneath the housing, thereby drying water or dampness which could cause rust. This feature shall be provided to lengthen the life of the housing. Access to the inside of the base shall be provided by 2 flush, full length key locked doors. One door shall access the ticket bin, one door shall access the controller.

The finish shall be two coats of baked enamel finish applied over a suitable primer.

The unit shall contain a bin to store tickets that have been read and accepted. The capacity of the bin shall be a minimum of 5000 tickets.

The housing shall contain 2 separately locked compartments; the bottom (base) compartment containing the ticket bin and controller and the top compartment containing the ticket reading mechanism.

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The hood or top section of the housing shall be hinged for easy access to the mechanism and electrical connections.

B. TICKET READING MECHANISM

The mechanism shall be one complete assembly providing all printing, reading and encoding capabilities. The encoding method shall be magnetic stripe on ISO track 2.

To prevent rust and corrosion, all mechanism components shall be plated. All mounting bolts, hardware, etc., shall also be plated.

The mechanism shall be capable of reading and encoding a standard credit card size ticket (2 1/8" x 3 3/8") at a rate of 30 per minute.

The machine shall be programmable to void and eject any tickets left in the throat of the machine thus preventing use of fraudulent tickets.

C. CONTROLLER

All control logic shall be contained in one easily removable circuit board. All field wiring to the controller shall be made on easily accessible screw terminals. All controllers shall be identical and completely interchangeable with any other controller.

A 32 character backlit LCD display on the face of the mechanism shall display the current time and date. When a vehicle pulls up to the machine, the LCD shall display the message: "PLEASE INSERT TICKET". Custom messages shall be available upon request.

Time, date and operating parameters shall be programmed via a hand held keypad. The keypad shall plug directly into the controller board. The controller shall contain a battery backup in case of power failure and maintain all programming for a minimum of 72 hours.

The controller shall contain inputs and outputs for connection and control of peripheral equipment. The following inputs shall be provided:

- * Loop occupied (arming)
- * Read ticket
- * Gate position (up or down)
- * Inhibit (turns the machine off)

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The following outputs shall be provided:

- * Raise gate
- * Lower gate
- * Out of service

D. COMMUNICATION TO HOST COMPUTER

Optionally, the Controller shall be able to communicate via RS-485 with a host system. The host system shall be capable of monitoring the status of the ticket reader, remote programming and control, and setting the time and date.

E. TECHNICAL DATA

Ticket	2 1/8" x 3 3/8" (credit card size)
Encoding	magnetic stripe encoding ISO track 2, Oe 200
Printing Method	Dot matrix, 5 x 7 dot pattern
Mechanical	48" H X 12" W X 21" D (1218mm X 305mm X 567mm)
Weight	110 lbs. (50 Kg)
Power	110-240VAC, 50/60Hz, 3Amps
Environmental	Operating temperature: 5 deg. F to 105 deg. F (-15 deg. C to 40 deg. C)

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Ticket Reader Housing Dimensions:

