



Desktop Validator

MDV 70 / 80

Technical Data:

Dimensions (inches)	H x W x D
Supply Voltage	
Ticket Size	Inches
Data Tracks (3)	Used
Ticket Vault Drawer	
Ticket Issue Capability	
Communication	
Weight	lbs

	MDV 70N	MDV 70D	MDV 80N	MDV 80D
Dimensions (inches)	7" x 8" x 16"	7" x 16" x 16"	7" x 8" x 16"	7" x 16" x 16"
Supply Voltage	120 VAC	120 VAC	120 VAC	120 VAC
Ticket Size	2 1/8 x 3 13/32	2 1/8 x 3 13/32	2 1/8 x 3 13/32	2 1/8 x 3 13/32
Data Tracks (3)	Track 1 & 2	Track 1 & 2	Track 1 & 2	Track 1 & 2
Ticket Vault Drawer	No	Yes	No	Yes
Ticket Issue Capability	No	No	Yes	Yes
Communication	RS232	RS232	RS232	RS232
Weight	15	15	26	26

Description

The MDV (Magnetic Desktop Validator) series of mag-stripe ticket readers / validators are used in Central Pay and pay on exit applications. The MDV uses the same mechanism as found in our line of MEC entry and exit stations.

The MDV is available in two versions, the MDV 70 series which does not include the ability to issue tickets, and the MDV 80 series which can be used to issue pre-paid or event tickets. Both Versions are available with or without a locking vault drawer.

Housing

For extreme durability and corrosion resistance the MDV housing is constructed from 14 gauge galvanized, phosphate treated sheet steel. As a standard the housing is coated with polyester powder, in Magnetic putty color.

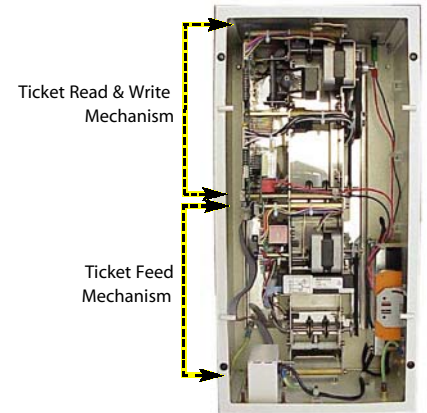
Special Features

- & Internal 24 volt regulated DC power supply.
- & Communicates with the Central Pay or Pay on exit computer via COM2
- & Events are recorded on the fee computer event log.

- & Ink jet printer uses standard HP ink jet cartridges available at local office supply stores. prints approx. 14,000 tickets per cartridge.
- & Use ISO standard non-proprietary ticket stock.
- & Steel case, ready to install provides noise isolation, conforms to the electromechanical compatibility guidelines.

Options

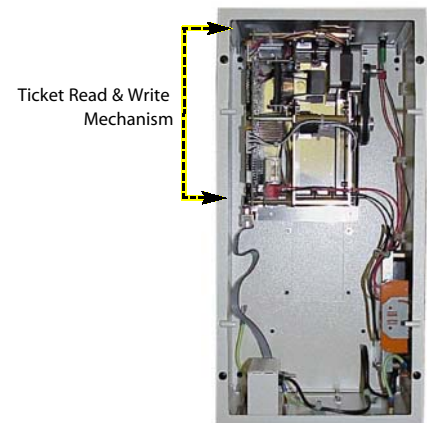
- & Stand alone Windows application for communicating with MDV without a fee computer. (Note: No auditing of data).
- & Custom colors (additional cost).



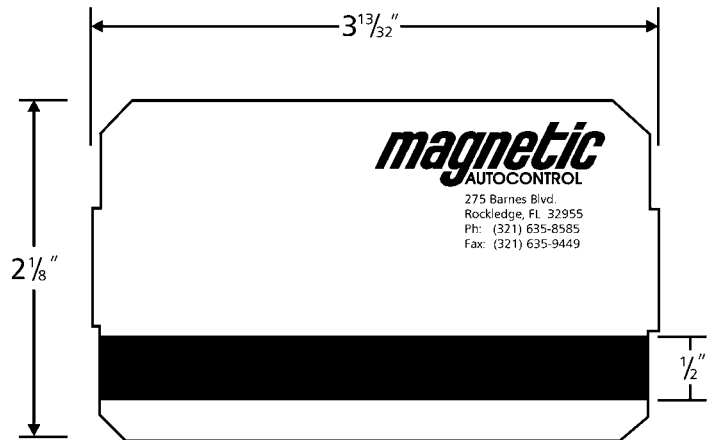
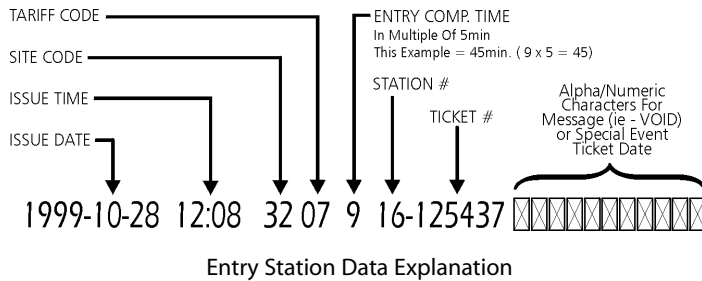
MDV 80
Internal Mechanism



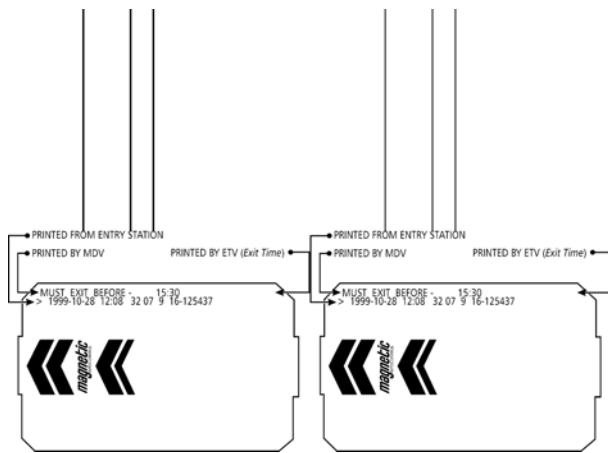
MDV 80 with Ticket lock vault



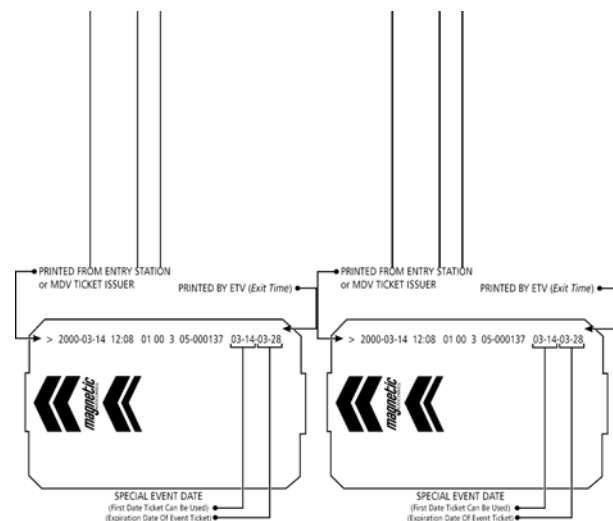
MDV 70
Internal Mechanism



Bottom Of Ticket With 3 Track Mag-Stripe



Top Of Ticket - Showing Entry Ticket Data, MDV Data and ETV Exit Transaction Time



Top Of Event Ticket - Ticket After Processed by ETV

Mag-stripe Encoded Data

The MDV uses a 3-track mag-stripe ticket, tracks 1 and 2 are used to encode transaction / system related information.

Track 1 contains data used only by Magnetic Automation. Track 2 contains all transaction related data.

Track 2 is written in the following format:

=AANNNNNNSSBBCYMMDDHHTTymmddhhttpcc

SYMBOL DESCRIPTION

- = Ticket Identifier
- AA Two digits - Station ID
- NNNNNN Six digits - Ticket number
- SS Two digits - Facility (Site) ID
- BB Two digits - Tariff or rate number
- C One digit - Exit Ticket Verifier (ETV) exit time by 5 minute interval
- YY Two digits - Arrival date year
- MM Two digits - Arrival date month
- DD Two digits - Arrival date day
- HH Two digits - Arrival time hour (24 hour format)
- TT Two digits - Arrival time minute
- yy Two digits - Departure date year
- mm Two digits - Departure date month
- dd Two digits - Departure date day
- hh Two digits - Departure time hour (24 hour format)
- tt Two digits - Departure time minute
- p Payment flag - 1 for a paid ticket; 2 for prepaid and anti-passpack, 3 ticket valid exit marked so cannot be used again
- cc Two digits, check sum