



CARDLOCK VENDING

CM-I
FUEL MANAGEMENT SYSTEM SPECIFICATION

The fuel management system shall be a CardMaster I (CM-110V) as manufactured by Cardlock Vending, Inc. or approved equal. The system shall be listed by UL, ETL, or other nationally recognized testing laboratory. The system shall be in a metal enclosure for RF protection, powder coat painted, and gasketed for outdoor, weatherproof use. The system shall include a thermostatically-controlled cabinet heater for humidity protection. The fuel management system shall accept ABA track 2 magnetic stripe encoded plastic cards.

The system shall include serial ports for both journal printer and serial communications; and shall include an externally accessible RS-232 serial port for field service and programming. The data serial communications will transmit ASCII comma separated text. The system shall include time-outs for: missing pulse, lack of use after authorization and delay in dispensing after pump handle activation. The system shall include two (2) relays per hose position rated for 1½ HP motor control and have the ability to control both legs of a 220 vac circuit — or switch both the hot and the neutral of a 120 vac circuit. The system shall include capacities for:

- 1500 transactions in non-volatile memory
- 999 accounts/cards in non-volatile memory
- 999 unique PINs (personal identity numbers), each one unique to a specific card

The encoded magnetic stripe card shall have the ability, by individual card, to:

- set quantity dispensed limits
- prompt for a miscellaneous 6 digit field such as Vehicle Number Odometer or custom label fields as chosen by system operator.
- have an expiration date beyond which card cannot be used (unless re-encoded with an extended life).
- Product restriction (for example: diesel or gasoline only, or both)

The fuel management system shall have the capability of being operated by magnetic stripe card or by “cardless” keypad entry, or both.

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