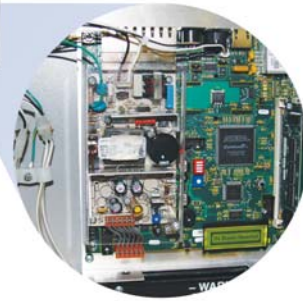




## C/OPT™ FUEL CONTROL SYSTEM



C/OPT™



Available with FSC3000™  
Site Controller Inside



Electronic transaction  
recording & card updates



FSC3000™

Now with the flexibility of having the FSC 3000™ within the Fuel Island Terminal, as a stand-alone system, making this the best solution for your 24-hour fueling sites accepting commercial fleet or major bank cards.

With a wide variety of options available, Petro Vend's C/OPT™ Fuel Control System is one of the most comprehensive solutions for your fleet fueling or petroleum marketing application.

### Benefits

- Each FSC3000™ can control up to 8 FITs with a maximum of 32 hoses per site
- Graphics display guides users through the fueling process with pictures and text
- Accepts dual readers including, magnetic, optical, proximity and ChipKey® for maximum flexibility and reliability.
- Optional full alpha keypad allows entry of vehicle tags and other alpha information
- "Smart" weather shield automatically closes to protect card readers and receipt chute
- Fiber-optically lit keypads and LED backlit display for easy fueling at night
- Optional thermal receipt printer
- USB memory key for transaction backup/transfer and updating card files
- Optional dial-up or cell modem allows communication to remote locations
- Each C/OPT™ can also be outfitted with 802.11 WiFi or Bluetooth® communication devices to facilitate updates and retrieval of transaction data



### PROFITABILITY

Accepts the widest selection of fueling network and major bank cards.



### EASY-TO-USE

Customizable prompts for driver clarity. ARTWare™ PC software makes configuration a snap.



### INSTALLATION

Integrated FSC3000™ for installations where no building is available. USB key for transaction backup and card file updates.



### COMMUNICATION

Optional 900 MHz wireless communication between island and building. Cell modem, Bluetooth® and 802.11 WiFi communication also available.



# C/OPT Fuel Control System

## C/OPT Fuel Control Systems Features

- USB memory key for transaction data storage and card updates
- Individual drivers and vehicles can be grouped into accounts for easier control of group restrictions and lockouts
- Extensive reporting capabilities with Phoenix™ Software
- Daily and monthly credit allocations per card/key/account lets you set fueling restrictions
- Selectable automatic lockout after three incorrect PIN entries for added security
- Dual card accountability allows tracking and reporting on drivers using multiple vehicles
- Communication ports allow for journal printer, PC, serial pass-through port, modem and Petro-Net™ connection
- Wireless Petro-Net™ communication reduces installation costs
- Odometer reasonability checking ensures accurate odometer entries
- Nine-character "name field" makes card record reporting more complete
- Cardless/Keyless access allows drivers to fuel using a quick keypad entry
- Office journal printer for transaction log and report

## Networks

- The C/OPT™ System interfaces with many authorization and commercial fueling networks to accept the following cards:
  - CFN
  - Fuelman/Gascard
  - T-Chek
  - Bank Cards
  - Comdata
  - Pacific Pride
  - Voyager
  - FleetOne
  - EFS
  - TCH
  - Wright Express
- Dual network option reduces wait time by accessing two networks simultaneously
- The registered bankcard feature permits 24-hour fueling in areas where unattended fueling is generally restricted
- The C/OPT™ System is field-upgradeable so you can easily add network interfaces to meet any needs.

## Pump Control Methods

- Pump Control Modules for Commercial Dispensers with mechanical registers
  - Mounted in Fuel Island Terminal for low-cost, convenient wiring
  - Mounted in remote cabinet
  - Pump Handle Monitor
  - Manual bypass for each dispenser
  - Four adjustable fueling timers
    - Maximum fueling time
    - Maximum time to activate pump handle
    - Maximum time until first pulse
    - Maximum time between pulses
  - Counts in gallons or litres from thousandths to full units
  - Pump sentry provides protection from faulty pulsers
- Direct Pump Control communicates via serial link to the dispensers (Optional)
  - Supports Wayne, Gilbarco and Tokheim protocols
  - Extremely simple installation
- Universal Pump Controller for operation with a pump controller (Optional)
  - Interfaces with Wayne, Gilbarco and Tokheim
  - Allows pumps to be controlled via the Fuel Island Terminal or retail pump console

## Memory

- Standard memory 2,000 proprietary cards, and 500 transactions
- Expandable to 64,000 proprietary cards, and 2,000 transactions

## Phoenix™ Software

- Phoenix™ Plus – poll transactions, perform card updates, run reports
- Phoenix™ Premier – all of the Phoenix™ Plus features, plus tank gauge interface for reconciliation

## C/OPT™ Fuel Island Terminal Specifications

Readers: Magnetic-stripe Card, Optical Card, ChipKey®, Proximity Reader

Displays: (both have LED backlights):  
Standard Graphics (3" x 4" – 320 x 240 pixels)  
Optional LCD (2 lines x 20 characters)

Receipt Printer: (optional): the high-resolution, thermal receipt printer has an integral cutter and large paper roll

Keypads: (standard and optional alpha): keypads are constructed of a UV-stable weather-resistant material over stainless steel contacts

Cabinet Dimensions: 15" H x 18.5" W x 11" D  
(38 cm H x 46 cm W x 28 cm D)

Pedestal Dimensions: 48" H x 14" W x 8" D  
(122 cm H x 36 cm W x 20 cm D)

Operating Temperature Range: -40° F to 122° F (-40° C to 50° C)

Power Requirements: 120/240 VAC (auto detectable), 50/60 Hz; 250 watts max

## Pump Control Terminal Specifications

Relay Rating: 1 HP, 120/240 VAC

Pulsar Compatibility: Contact/12 VDC Electronic

Pulsar Power Supply: 12 VDC; 40 milliamps max./pulsar

Pulsar Speed: 6,000 pulses/minute (mechanical)  
100,000 pulses per minute (electronic)

Pulsar Rate: 1:1 to 9,999:1 (in one-pulse increments)

Pulsar Type: Single channel

Pulsar Duty Cycle: 50%

Operating Temperature Range: -40° F to 122° F (-40° C to 50° C)

Cabinet Dimensions of wall-mounted remote PCM: 11.5" H x 12" W x 6.5" D (29 cm H x 30 cm W x 16 cm D)

Power Requirements for Remote PCM: 85-240 VAC, 50/60 Hz; 25 watts max.

Operating Temperature Range of Remote PCM: -40° F to 122° F (-40° C to 50° C)

## FSC3000™ Fuel Site Controller Specifications

Dimensions: 2" H x 10" W x 11" D (5 cm H x 25 cm W x 28 cm D)

Power Requirements: 85-240 VAC, 50/60 Hz; 25 watts max.

Operating Temperature Range (indoors): 32° F to 122° F (0° C to 50° C)

Serial Communication Ports: Petro-Net™ (RS-485), Printer (RS-232), Terminal (RS-232), Modem (RS-232), Pass-through (RS-232),

2 Auxiliary Ports (RS-232), Tank Gauge, Ethernet, USB

Maximum Petro-Net™ Distance: 5,000 feet (1524 m)



ONE COMPANY. ONE WORLD. ONE SOURCE.

6900 SANTA FE DRIVE • HODGKINS, IL USA 60525 • www.opwfms.com • 708-485-4200 • (fax) 708-485-4630

NOTE: All information subject to engineering and/or other changes. All trade names are copyrighted. Patents Pending. ©2008 OPW Fuel Management Systems  
©2008 Delaware Capital Formation, Inc. All Rights Reserved. DOVER and the DOVER logo are registered trademarks of Delaware Capital Formation, Inc., a wholly-owned subsidiary of Dover Corporation