

## FuelFocus Island Controller

### System Functions

#### SITE CONTROL

- Controls all system operations and components
- Multi-tasking, real-time operating system
- Modular components
- Ability to read any mag stripe card
- Ability to read any type of proximity card/key
- Ability to request pin numbers for vehicle or employee
- Ability to change prompts based on vehicle type
- Ability to monitor any fuel or product that can be metered and pulsed, such as diesel, unleaded, E85, Urea, CNG, LNG, propane and Hydrogen
- Automatic PM (preventive maintenance) alerts from FleetFocus

#### PUMP CONTROL

- Simultaneously controls up to 16 hoses (*see Hardware-Hose Control*)
- Ability to enable/disable pump via host software
- User defined total transaction timers
- User defined no-pulse timers per hose
- User defined after pulse timers per hose
- Automatic disable of pump after three consecutive no quantity transactions
- Mechanical or electronic dispenser control

#### CARD LOCKOUT

- Only vehicles or employees in database can obtain fuel
- Ability to limit number of fuelings per day
- Ability to limit fuel to vehicle or user defined tank capacity

#### TRANSACTION PRINTING

- Optional real-time on site journal printing available for hard copy backup
- Optional receipt printer for credit card transactions
- Access and print reports from any FleetFocus workstation

#### INVENTORY & PUMP TOTALS

- Maintains book inventory with user defined reorder points for an unlimited number of tanks
- Maintains pump totalizer readings in FleetFocus
- Ability to compare book inventory with Veeder Root inventory

#### CLEARING HOUSE CAPABILITY

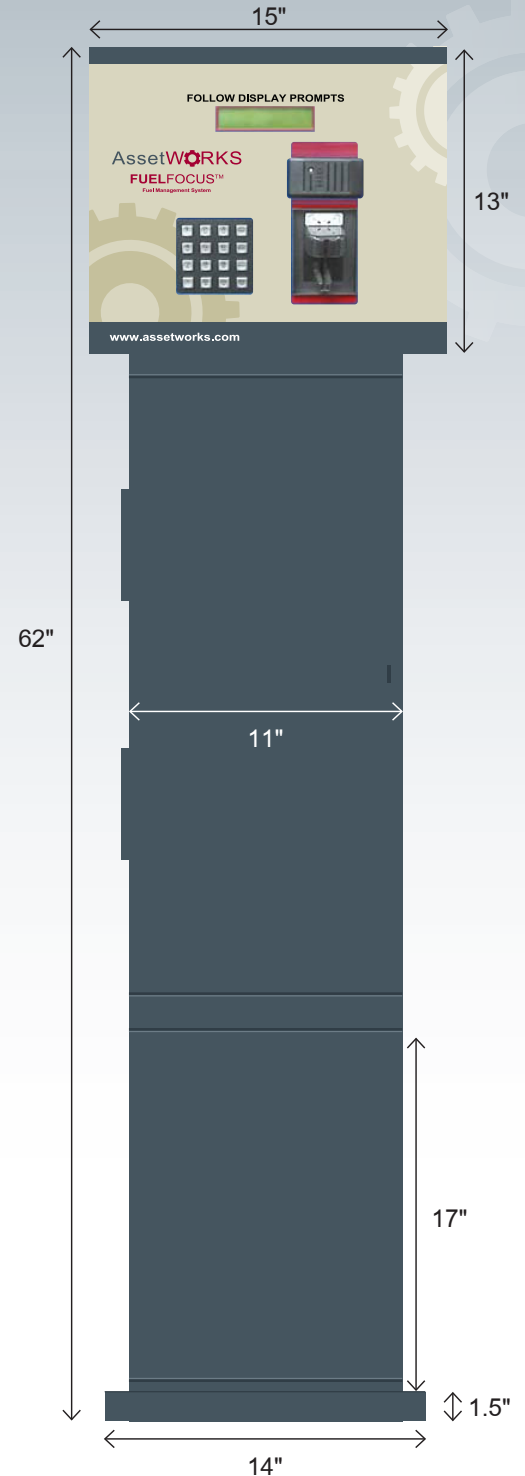
- Real-time on-line communication with Paymentech clearing house to authorize transactions for fuel via credit cards use. Currently can process VISA, MasterCard, American Express, Diners, Wright Express and Voyager

#### SECURITY

- XP Embedded Operating System is fully locked down with minimal ports open for communication with host software. Security Policy available for review from third party certification company.

#### PRODUCT AUTHORIZATION

- Controls access to product type on a vehicle by vehicle basis.
- Ability to authorize vehicle for several products in one transaction
- Limits amount of fuel dispensed in a transaction based on vehicle tank capacity



## SYSTEM STORAGE

- System has over 500MB of storage for transaction and database history in the event of loss of communication with FleetFocus database. System load tested with database of 50,000 vehicles and 50,000 employees and could hold in excess of 100,000 transactions in memory.

## EASY TO MAINTAIN

- All electronics are in FuelFocus Controller head for ease of service when upgrading or switching out parts – no special tools or skills needed

## ADAPTABILITY

- Mix all methods of authorization, combine HID, Keypad and RF based fueling in one unit. Also available in a truck mounted version for mobile refueling

## EXPANDABILITY

- System designed to upgraded as clients needs change. Unlimited number of sites, employees, and vehicles.

## APPROVALS

- UL, ULC, SIRA, CARB and FCC listed and approved

## Hardware Features

### DIMENSIONS

- System Head:  
15" W x 13" H x 13.6" D  
(38 cm x 33 cm x 34 cm)
- Height with Pedestal:  
62" (157 cm)

### ADA COMPLIANT

- Different pedestal heights available to meet ADA requirements

### POWER REQUIREMENTS

- 100 - 120 VAC for USA
- 200 - 240 VAC for Europe

### ENVIRONMENTAL REQUIREMENTS

- -50F to +130F  
(-45C to +54C)

### PROCESSOR SPEED

- 667 MHz

### OPERATING SYSTEM

- Windows XP embedded

### HOSE CONTROL CAPACITY

- Standard system controls are available in a 2, 4, 8, 12 or 16 hose model

### PULSER CAPACITY

- Quantity (1:1, 10:1 250:1, 500:1, 1,000:1 ratios);
- Resolution to .001 gallon/liter

### DATA ENTRY

- Magnetic Stripe insertion card reader
- 4 x 4 weatherproof metallic keypad
- 2 lines x 20 characters LCD display
- HID, AWID, Motorola Indala, GE Security, and other proximity card reader support
- Radio Frequency data transmission for vehicles equipped with RF Vehicle Box

### MEMORY

- 256K RAM, battery-backed
- 1GB Industrial Flash Disk

### CLOCK

- Real-time, battery-backed

### SAFEGUARDS & PROTECTION

- Transient protection on AC power input
- AC and DC power fail detect
- Missing pulse detection
- Off the shelf UPS mounting bracket in pedestal

### DIAGNOSTICS

- Built-in hardware and software diagnostics
- Built-in LED indicator lights
- Remote diagnostic software

### RECEIPT PRINTER

- Optional, to be used with Paymentech Module Option

## Optional System Configurations

*Optional software features allow you to customize the system to your requirements. All features are available and discussed upon implementation.*

### ODOMETER REASONABILITY

- Provides an odometer validity check based on vehicle class

### FUEL ALLOCATION

- Allows you to allocate predetermined amounts of fuel to vehicles

### MULTI-LEVEL PASSWORD

- Allows password access: super user (can access all commands) and standard user (can access only commands authorized by the super user)

### SUPERVISOR OPTION

- A specially encoded supervisor option that allows the system to authorize fuel for vehicles not in system database while still recording all pertinent information.

### TANK MONITOR INTERFACE

- Enables the communication with a Veeder Root TLS 300/350 tank gauge through RS232 or LAN connectivity. Also works on any tank monitoring system that supports the standard Veeder Root Communication Protocols.

### USER DEFINED PUMP NUMBERING

- Allows you to assign different sequential hose outlet numbers at sites having more than one controller

### EXTENDED PUMP TIMEOUTS

- Allows you to extend the standard maximum timeout from 0 seconds to 600 seconds

### VEHICLE DATA COLLECTION

- Enables you to also configure a FuelFocus Controller to capture meter updates without fueling as a vehicle drives within 300' of a FuelFocus Controller

### HOURLY METER READING

- Prompts for hourly meter reading instead of odometer or in addition to odometer – based on how vehicle is setup in database.

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