



# SCADA Vio

## Lift Station Controller



The SCADA **Vio** controller is a unique all-in-one controller designed specifically for lift stations and pump stations that allows you to take control quickly and economically.

With **Vio**, you have control when, where and how you need it.



Fits in your existing panel.



24/7 access and alerts from anywhere on any device.\*

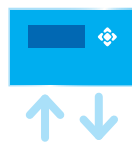
800-331-7605  
dorsett-tech.com  
info@dorsett-tech.com



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**Vio Cloud mode** gives you quick, reliable, and inexpensive connection to the InfoScan cloud and anywhere, anytime access to your data in a cloud-based hosted environment.



**Vio Stand-alone mode** provides an intelligent controlled solution for your pump stations that can be easily set up through the on-board HMI LCD interface when no supervisory communications are available or desired.

### Vio features:

#### Flexibility and Scalability

- Connect to the InfoScan cloud or use in stand-alone mode
- Easily accommodates multiple pumps and floats
- Works for most SCADA pump station applications

#### No Added Costs

- Does not require IT support
- May be used with or without a server
- Fits into existing panels
- Works with most communication systems

#### 24/7 Control and Alerts\*

- Cloud mode provides remote access on multiple devices
- 24/7 instant alerts via email, txt, voice
- Maintains control of the environment even without communications

#### Easy Installation

- DIN-rail mounted design fits into existing equipment
- Easily installed by electrician
- Can be installed and operational on day one

#### No Programming Required\*\*

- Comes configured with standard application settings
- Easy to use LCD keypad allows for custom configuration and monitoring
- Can be easily configured and modified locally

#### Unbeatable ROI

- Pays for itself in days, not months
- Improves efficiency and compliance
- Reduces operational costs and unnecessary alarms
- FREE lifetime support and updates
- Will NEVER become obsolete

\* Cloud mode only. \*\*Stand-alone mode configuration.

# SCADA Vio

## Part No.: SCADA Vio



### Features:

- Intuitive LCD user interface
- Rugged design features:
  - All I/O electrically isolated
  - Tough 18ga. steel enclosure
- 2 x 4-20mA analog Inputs
- 9 x digital inputs:
  - 5 x 120 VAC
  - 4 x dry-contact
- 5 x digital outputs (relay)
- Pluggable terminals for quick installation
- RS-232, RS-485 & 10/100 Ethernet comm. options
- Battery-backed calendar and clock
- AC line powered

### Technical Specifications:

- Physical: 6.7" w x 4.5" h x 2.7" d, 2.6 lb.
- Environmental: -20 to 70 °C Operating -25 to 80 °C Storage
- Microcontroller: ARM7 32 bit
- Memory: 4.5MB Flash, 4MB Ram
- Power Input: 90-150 Vrms, 6W
- Comm. Ports: 10/100 Mbps Ethernet, 3 x RS-485, 1 x RS-232 / RS-485

### Signal Inputs/Outputs\*

- AI: 2 x 4-20mA [5000 VAC isolation]
- DI: 5 x 120 VAC [5000 VAC isolation]  
4 x dry-contact [2500 VAC isolation]
- DO: 5 x relay outputs [5000 VAC isolation]  
2A @ 120 VAC (Inductive)  
5A @ 120 VAC (Resistive)

### Internal Health Monitor Inputs

- System Core 3.3 Voltage
- System Battery Voltage

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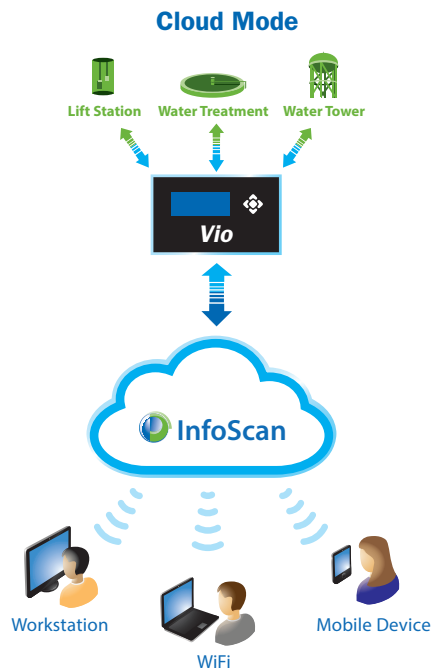
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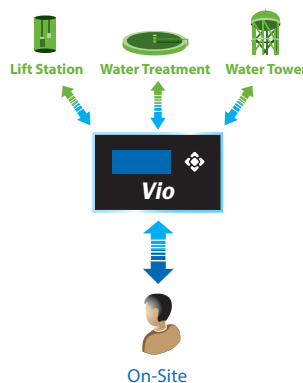
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## Versatile Architecture

**Vio** is designed to work in almost any network environment, even without one! Whether connected to the InfoScan cloud or used in stand-alone mode, **Vio** provides the flexibility to control your equipment optimally. Cloud based operation gives you the ability to access your operational data and receive alarms from virtually anywhere.



## Stand-Alone Mode



## Right-Size Design

An easy DIN-rail mounted design in a compact package suited for lift station and well applications, among others. In most cases, **Vio** can be easily installed in existing enclosure panels, eliminating the expense of additional panels and costly wiring.

## Intelligent

The **Vio's** built-in lift station application supports up to 2 backup floats in level transducer-controlled stations, up to 5 floats in float-controlled stations, and up to 2 pumps selected using a run-time strategy. A sophisticated float monitoring algorithm detects and proactively recovers stuck floats. Application parameters include transducer failure mode of operation, pump sequence delay, maximum pump off time, pump run time alarm, and pump flow rate for calculating total flows (a flow rate sensor may be used for most accurate measurements).

Light, horn, and auxiliary (dialer) alarm outputs are supported. User configurable alarm conditions include: high level, low level, pump 1 or 2 fail start or stop, pump 1 or 2 runtime exceeded, float stuck and/or level transducer failure.

Visit [dorsett-tech.com](http://dorsett-tech.com) for more information.

\* Isolation specifications VRMS, 1 minute. All specifications subject to change without notice. Model image shown. Actual product may vary.