



Industrial IoT Connectivity & Controls

Monitored VTL Datasheet

Technical Documentation

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DCon — an RMC brand. This document is being rebranded; technical content remains current.

Reign Monitored VTL

Enclosure & Equipment

- NEMA 4x Polycarbonate Enclosure 10.00 x 7.00 x 4.06 in
- IP Ratings: IP65, IP66, IP67, IP68
- Flange or Rare Earth Industrial Magnet Mounting
- Weatherproof and Waterproof
- ReignMaker Controller with 60W 24VDC Power Supply

Communication

- Cellular (ATT, T-Mobile)
- WiFi

Data Protocols

- Proprietary Protocol
- Data Feeds Available (Modbus, MQTT, etc.)

Supported Equipment & Sensors

- 4-20mA, 5V, Modbus, RS485
- Signals Analog, Digital In, Digital Out
- Relay Signal and Control

Equipment Setup

- Tank Height, Capacity Units, Capacity, Specific Gravity, Offset
- Height, Capacity, Specific Gravity, Contents, Transmission Frequency are Collected and Our Expert Staff Prepares the Initial Configuration
- LED Colors, Markers, High and Low, Error
- Error and Level Flashing Off/On and Conditions
- Segment Definition (Number of Segments Installed)



WiFi Web App

- Connect to the VTL Device via WiFi
- Execute the Web App via Phone, Tablet or PC's Browser
- Set Parameters In the Web App and Save the Configuration
- Current tank Levels are Shown on the LED's Installed on the Tank and on the Web App
- Save and Refresh Buttons Show Changes

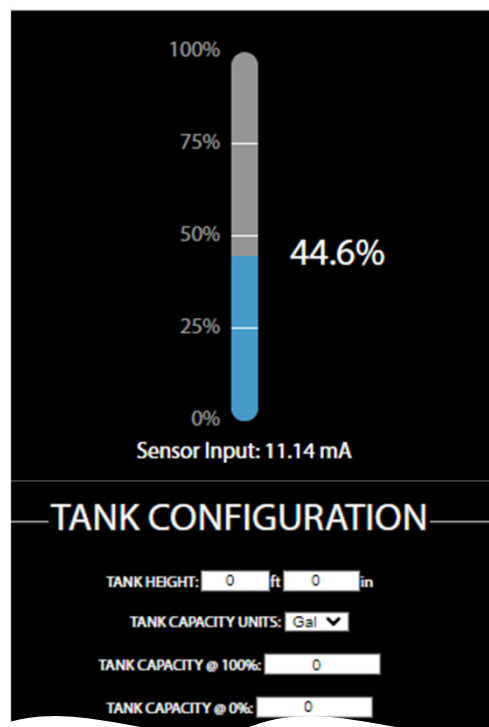
Data

- All Data is Captured From the Sensors and Transmitted to the Cloud Server
- Data is Encrypted and Secure
- Data Saved for 3+ Years
- Easy to Use Data Cards Exported to CSV or Excel

Dashboard

- Customized Dashboard Views
- Reports, Graphs, and Visual Gauges
- Setup Alerts and Alarms Based on Required Levels and Staff
- Email, Text, and/or Voice Alerts
- Control Remote Equipment Based on Defined Parameters
- Data Saved for 3+ Years

VTL-408384



Control panel for VTL-408384 with the following settings and buttons:

- Flash ALL LEDs @ CritLow: OFF
- LEDs ON via WiFi: OFF
- Buttons: REFRESH, SAVE CONFIG
- Footer: REIGN Monitoring Solutions LLC, Patent USD100098751 and others Pending, Ver 1.501 Built: Aug 21 2024 09:57:08

20P Tanks

Name	AWOL	Power Status	Tank Level (BBL)	Tank Level (FT)	Report	Last Report
VTL-4167820	●	●	19082.54 BBL	27 Ft 10 In	Tank 19082.54 BBL	10/21/2024, 11:39:32 AM
VTL-4169164	●	●	3422.93 BBL	1 Ft 10 In	Tank 3422.93 BBL	10/21/2024, 11:39:25 AM
VTL-333428	●	●	-9999 BBL	0 Ft -2 In	Power Fail detected ALARMS:AC- PowerFailure as of 11:50:27 AM 10/21/2024	10/21/2024, 10:50:26 AM

Data View

Alarms

Realtime - last 1 day

Created time	Originator	Type	Severity	Status	Level
2024-10-20 17:37:16	VTL-4179272	Device Off-Line	Major	Active Unacknowledged	0.0 ft
2024-10-20 14:45:03	VTL-4182608	Device Off-Line	Major	Active Unacknowledged	1.7 ft

Alarms

Device Settings

Multiple values separated by commas

Set TimeZone (EST5EDT, CST6CDT, MST7MD...): 26

Amount of Time in Hours Before Considered AWOL: 26

Tank 1 Low Level Alarm Value (Ft): 0.0

Tank 1 High Level Alarm Value (Ft): 1.7

Tank 1 Critical High Level Alarm Value (Ft): 1.7

Alarm Email - All Alarms: [Email Address]

Note Pad: Enter Notes

Disable All Alarm Notifications: []

Show Alarm Acknowledgements: []

Undo Save

Configurable Alerts & Alarms