



HTT 3100

HighTideTechnologies
SATELLITE TELEMETRY SOLUTIONS

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The Model 3100 is a self-contained communications and control device that receives input data from analog or digital sensors and transmits that data through the ORBCOMM low-Earth orbit satellite (LEO) network directly to the High Tide Technologies server. The transmitted information is checked for alarms and stored in a historical database. Historical data can be viewed by the subscribing client through the Internet using any standard Internet browser. Typical applications include unmanned treatment plan monitoring, large lift-station monitoring, and various local control applications.

Typical Applications:

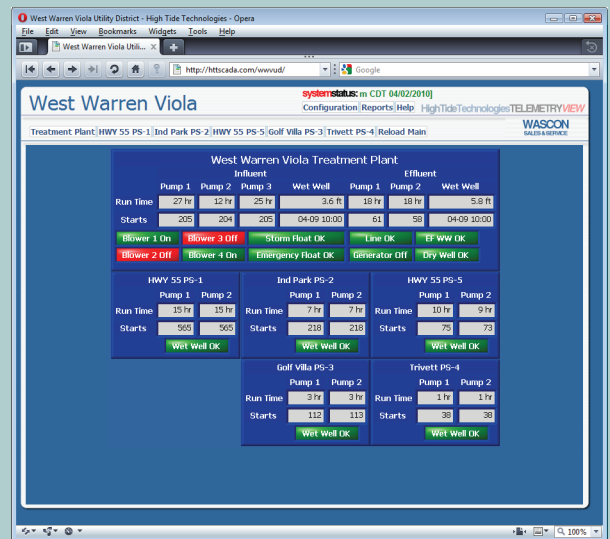
- Unmanned treatment plan monitors
- Primary lift station monitoring

Hardware Features:

- Built in satellite modem
- Compatible with TelemetryVIEW Web-based SCADA services
- No towers, repeaters licenses or RF surveys required
- Simple installation and service
- No antenna aiming
- 28 Digital inputs
- 8 Relay outputs
- 4 Analog inputs (4-20ma, 0-5)
- 2 Additional Analog inputs (4-20ma)
- 2 Analog outputs (4-20)
- 24v loop power for 2-wire sensors
- Battery back up with power fail alarms

System Features:

- Secure access from any Internet connected computer
- 24 hour customer support
- Text and/or Voice Alarms
- History graphs for tank and pump statistics
- Daily starts and runtime reporting for pump stations
- User configurable alarms
- Various automatically generated reports in Excel format stored on servers



Input Power 110/220 VAC

Backup Power 12v DC lead acid

Modem ORBCOMM Compatible

Antenna 1/2 Wave WHIP

Enclosure NEMA 4 FIBERGLASS

Satellite Vendor ORBCOMM, LLC

Communications User configurable

Storage Temp -40 ~ 60 °C

Operating Temp -20 ~ 60 °C

Humidity 0~100% non-condensing

Product Life Est. 3-yr for Battery

Alarm Conditions External power loss

Low battery

Pump failure