

Omni-Insights



Stepping Outside the Box

More Than Just Wastewater

OmniSite produces top quality monitoring solutions that work in more than just wastewater applications. Our monitoring equipment is currently being used all over North America across a multitude of industries like water, chemical, processing, mining, and manufacturing. Any machinery or device that is vital to your business can be monitored by OmniSite and provide quick response in critical situations. OmniSite products are currently used to monitor:

- Lift Stations
- Water Towers
- Chemical Tanks
- Server Room Thermostats
- Sump Pits
- Boilers
- Motion Detectors
- Smoke Alarms
- Machinery
- Flares
- Leachate



Are you surprised at the list? Keep an eye out over the next year to learn about new products and services coming down the pipeline that will really wow you.

Customer Interview *WC Construction*

Size: 300 Employees Industry: Heavy Highway Building & Surface Mining

WC Construction is located in Loves Park, IL, a suburb of Chicago. The company had re-occurring problems with pump failures and asphalt plant boiler failures, so they began looking for a solution. They first heard about OmniSite through a local pump rep, who was familiar with the product and recommended it.

WC Construction did their research looking at various monitoring solutions. After looking at several options, they chose OmniSite and purchased six units. Monitoring capabilities and a moderate cost were the two big factors that helped in their decision making.

WC Construction uses the OmniSite products to get pump draw down values for quarries, temperature alarms for asphalt plant boilers, phase and power loss notifications, and high wet well levels just to name a few.

After 4 years with OmniSite, WC Construction heartily recommends using OmniSite products for uses outside of typical wastewater applications. Using the product has increased efficiencies by notifying WC Construction of unfavorable alarm conditions right away.

"The support staff is great, and the product is cost effective and provides very reliable protection."
—Larry Butts

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Tech Tip: Testing Inputs

Wiring

Testing digital inputs is important. It is one of the first tests when troubleshooting a problem at a station. Follow the steps below to test inputs.

When wiring dry (un-powered) contacts, make sure to wire into the 12 volts onboard the unit. Follow the wiring diagram below. It is important to jumper over to the 12V– on the bottom to complete the circuit. If you are wiring up powered contacts, wire into the top and bottom input, but do not wire into the 12 volts onboard. Wiring powered contacts into the 12 volts onboard will damage the unit.

Unit Configurations

After double-checking your wiring, turn the unit on leaving it in the disabled state. In the unit's display menu, go to MAIN MENU>ENTER SETUP>DIGITAL INPUTS>INPUT 1. On this page you can change your time delay to the appropriate value. Once your time delay value is set, you can test your inputs. While still disabled, tip your float. When tipped, the light for Input 1 should turn on. Another way to see if the input is working correctly is to go to MAIN MENU>VIEW INPUTS>INPUT 1. When the float is tipped, the value for INPUT 1 will change from OFF to ON.

GuardDog Configurations

If this is working correctly, go to the GuardDog page and configure Input 1 on the Device Setup page. Make sure it is set to Alarm State On (open contact float) or OFF (closed contact float), Notify When Alarm, and select a Callout List. Then enable your unit and tip the float. After running through the time delay, you should receive a notification of your alarm. If you do not get an alarm double check the steps above.

If not, go to STATUS>LOGS>ALARM HISTORY to see if your alarm is noted in the logs. If the alarm is noted, but no call is received, go to STATUS>LOGS>NOTIFICATIONS to look at the call out notifications. Click on the + sign under Appended to expand the notification and drill down to find additional details about the notification. If no alarm or notification is noted, double check your wiring and the steps above or contact our technical support team at 317-885-6330.

GuardDog Updates: Assign Key User

A new feature has been added to the GuardDog website to allow the account manager to assign a name for each user key. This feature is particularly useful for municipalities who would like to have a log of when maintenance personnel service their units. In order for this feature to work properly, a user must have their own maintenance key and use the same User Key number on each RTU that they service.

The account manager can go to the Account Manager page and link the maintenance key to a User's Name. Once a User Name has been assigned a maintenance key, their name will appear on the GuardDog website for easy tracking of maintenance personnel's work and location.

