



## Monitoring a Post Indicator Valve with Wireless

Installing industrial security systems often presents special problems. The larger spaces, long distances between devices, signal interference, and other issues can all combine to create major installation headaches.

For over a decade, Owen Security Solutions has been providing security solutions for one of its commercial clients, The Dixie Group, a leading marketer and manufacturer of carpet and rugs to higher-end residential and commercial customers.

Owens was asked to provide a system to monitor The Dixie Group's plant fire system at in their Calhoun GA, facility. The facility was already equipped with an Owens-installed security system based on the DMP XR500 Panel.

"We recommend DMP products to our customers every day," says Justin Owen, President of Owen Security Solutions," so we are very familiar with the panel's capabilities. We knew we could take advantage of the XR panel's ability to integrate fire and security, and give our customer the fire monitoring they wanted."

**"We saved the customer thousands of dollars by relying on the DMP 1181 PIV!"**

Justin Owen  
President, Owen Security Solutions

### An Expensive Proposition

Owen assumed it would be a pretty standard installation, but when his rep arrived at the site to do the system planning and estimating, he spotted one issue. The post indicator valves were located several hundred feet from the building and there was no useable pipe or conduit to run cables from the panel to the sensor at the valve.

The rep knew the standard solution to the problem, but it was going to be expensive. The customer was looking at several thousand dollars in trenching costs, and concrete that would have to be repaired, in order to lay a cable from the building to the valve.

"When the rep came back from the site inspection and told me about the situation, I agreed that it was going to require some expensive excavating," Owen recalls. "The light went on and I remembered that DMP offers a wireless PIV sensor."

### The Wireless Solution

Owen was very familiar with DMP wireless technology, saying that they "use just about every piece of wireless equipment DMP offers." He was confident that the DMP 1181 PIV would do the job. "The solution worked great," Owen said.

## Advice For Industrial Wireless Installations

Owen had previously equipped the facility with wireless capability using the 1100XH-W Wireless High-Power Receiver, which proved to be a reliable performer that he highly recommends. However, he advises that installers test the reception before selecting the receiver's permanent location.

"Plants can be noisy places, with plenty of RF interference," Owen says. "We've always been able to use the 1100XH-W, but once in awhile have to reposition it to find the best spot."

## A Money-Saving Solution

Owen was pleased that he could provide this long-time security customer with a solution to add fire system monitoring. "We saved the customer thousands of dollars by relying on the DMP 1181 PIV. Based on our experience, I would recommend it to installers facing the situation of a riser located far away from a building or cable pathway."

## DMP 1181 Wireless Post Indicator Valve (PIV)

The Model 1181 PIV is a weather-proof and tamper-resistant wireless switch for monitoring the open position of fire sprinkler control valves of the post indicator, butterfly, and other types. The 1181 is compatible with the XR100 and XR500 Series panels using an 1100X Wireless Receiver. The contact operates the external contacts of the wireless transmitter when the valve position is altered from an open state. The 1181 mounts in a 1/2" tapped hole in the post indicator or butterfly valve housing. Install where the 1181 is accessible for service.



### Equipment List

- 1181 Post Indicator Valve
- XR500 Series Access, Burglary, and Fire panel
- 1100XH-W Wireless High-Power Receiver

### Owen Security Solutions

Gary Owen started Owen Detectron in Calhoun, Georgia more than 35 years ago. Today the company has grown to become one of the country's largest privately held security companies and is now known as Owen Security Solutions.

