



Denver Botanic Gardens, Denver, Colorado

An Oasis in the City Flourishes Thanks to WiFi-Enabled Rain Bird® Technology

Located in the middle of the Mile High City, Denver Botanic Gardens spans 24 acres of landscape and represents the various microclimates present in Colorado. The gardens emphasize native plants, water conservation, and biological pest control.

THE CHALLENGE

Devin Riles, irrigation water manager for Denver Botanic Gardens, uses SiteControl to manage 378 irrigation zones in addition to landscape lighting, audio programming, holiday lighting, misting systems, and emergency mainline master valves. Having so many zones and stations means that when in the field making adjustments, the irrigation team must either memorize 420 station codes or carry a map of the gardens with each station assigned a unique code.

THE SOLUTION:

Riles worked with Rain Bird to find a more efficient way to manage Denver Botanic Gardens' 420 stations. Rather than memorizing codes or carrying a map, the irrigation team will upgrade to a WiFi-enabled controller that will allow them to reference their cell phone or iPad in the field.



Rain Bird Central Control

Core Products Used:

- [CLP Series Pump Stations](#)
- [FD-TURF Series 2-Wire Decoders](#)
- Rain Bird Central Control

KEY OBJECTIVES

- ✓ Enable Remote System Control
- ✓ Maximize Energy Savings
- ✓ Optimize Irrigation Processes



Site Report: **Denver Botanic Gardens, Denver, Colorado**

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APPROACH:

Give Techs Anywhere, Anytime Access

Rain Bird's Central Control and remote access capabilities will run on a central control computer to provide Denver Botanic Gardens with remote system control via a web-enabled mobile device. Remote users will be able to control sprinklers and programs, review system activity, or change settings on sprinklers and irrigation programs—simultaneously, from their mobile devices. Rain Bird Central Control software can also be used to manage the lighting, audio, and misters—especially important since this popular public attraction offers a variety of events and exhibitions throughout the year. Plus, at the end of the day, all activity is logged for convenient review later if necessary.



“With the remote access capabilities of Rain Bird’s Central Control, I can immediately access my irrigation zones, water features, landscape lighting, and audio via my cell phone from anywhere in the U.S.

DEVIN RILES
IRRIGATION WATER MANAGER,
DENVER BOTANIC GARDENS

RESULTS:

Enhanced Control & Substantial Savings

Riles and his irrigation technician can now access all irrigation information right from their cell phones or on an iPad mounted to their irrigation cart. They can pull up any of their 420 stations on their screens and activate them without having to memorize a long string of commands. When it comes to exactly how much water, time and money Denver Botanic Gardens has saved using Rain Bird Central Control, Riles is still crunching the numbers. However, there’s no doubt that the remote access has been a lifesaver in at least one instance. “I was at an Independence Day fireworks show when I got a call that one of our valves was leaking quite a bit of water,” Riles recalled. “There was no way I could jump in my car and head to the Gardens due to the huge crowd and traffic congestion. I just pulled out my smartphone and used the remote access to shut down the master valve and stop the flow of water until I was able to fix the problem the next day.”