Embrace the Technology®

CircuitSolver®

A ThermOmegaTech® brand

Project Case Study

Twin Lakes Assisted Living Facility

Montgomery, Ohio

Installation Site & Opportunity



David Texter, Lead Plumbing Engineer at Browne Engineering, discusses the benefits of specifying CircuitSolver® Thermostatic Balancing Valves for an installation project at the Twin Lakes Assisted Living Facility in Montgomery, Ohio.

The two-story building was new, but the balancing valves were installed incorrectly, and Texter's team had to retrofit the valves. Texter stated that before using CircuitSolver®, the system was experiencing hot water issues. One portion of the building would get plenty of hot water, and another would not have any hot water.

The Results

The balancing issues for this project were easy to identify because there was a lack of installed balancing valves on all the loops. CircuitSolver® valves were chosen to help minimize the amount of individual balancing in the system. Since CircuitSolver® is a thermostatic balancing valve, it automatically adjusts to temperature changes, making balancing an intricate design much more straightforward.

The team experienced significant time savings during installation by not needing a third-party balancer to balance the system. The contractor installed 20 CircuitSolver valves and turned on the system, and it automatically started to balance itself.



Texter said he didn't hear from the contractor after the installation. It comes back to the balancing contractor and the extra effort they must put into starting the system. CircuitSolver® sped up the installation significantly by saving them the time typically set aside for balancing.

"CircuitSolver® has always been a leader in the industry," Texter says. "The ease of balancing these valves far outweighs any benefit of a manual balancing valve."

He emphasizes that the CircuitSolver® team facilitates easy purchases, specifications, installations, and technical support.

Comparing CircuitSolver® with manual balancing valves, Texter highlights that the intelligence integrated into CircuitSolver® allows the valve to balance itself automatically in response to system demands and temperatures. Texter concludes that CircuitSolver® is markedly superior in this regard.

To see the full video with David Texter and the installation project at the Twin Lakes Assisted Living Facility in Montgomery, Ohio, click here.