



*People and technology
you can rely on™*



MACH-ProView™ LCD building controller

Today's sustainability demands mean facility managers must maintain a delicate balance of energy efficiency, occupant comfort, and environmental impact. Simple, flexible, sustainable building automation solutions from Reliable Controls® can empower you to achieve that balance.

Explore how Reliable Controls products can help you better manage the air quality, lighting, and security in your schools to provide enterprise-wide efficiencies in energy consumption, time, and equipment maintenance.



The State College Area School District in Pennsylvania includes among its institutions three LEED Platinum-certified elementary schools: Radio Park, Spring Creek, and Corl Street. Authorized Dealer Nexgen Automation installed a Reliable Controls building automation system during a new construction and retrofit project across the three campuses.



Today facility managers use a single instance of RC-WebView® software that operates on a central server in the district office and communicates with Reliable Controls devices and HVAC equipment in the three schools, including rooftop solar arrays. Using the enterprise tools in RC-WebView allows the district to regulate the temperature, humidity, and CO₂ levels in each classroom across the three buildings.

Nexgen incorporated a range of BTL Listed Reliable Controls hardware devices in each facility to intelligently control numerous brands of mechanical equipment. Thanks to RC-Archive® software, the district fully owns and controls building performance data from the three schools and benefits from a robust, dependable record of performance. RC-Reporter® software helps facility managers find intelligence in their building data to optimize operational efficiency.

Of interest, the rooftop solar arrays supply 20 percent of each building's electricity—just one of several factors that earned these projects LEED Platinum certification from the U.S. Green Building Council. Each school conserves water with low-flow toilets and bathroom sinks, and kitchen equipment is connected to sensors that automatically shut off fixtures when not in use.

The Reliable Controls system empowers the State College Area School District to provide a healthy learning environment for its young students and sustainable facilities that reduce emissions and drive efficiency for the long term.



In a typical K–12 school in the United States, heating, cooling, and lighting account for nearly 70 percent of energy use—at an estimated cost of \$8 billion per year. Fortunately, energy consumption is a key area where schools can lower costs without impact to student learning.

One of the most effective updates is to improve a school's building control system. Many buildings still use pneumatic air controls; switching to a digital system alone can make a huge improvement without the need to touch mechanical equipment. In addition, the COVID-19 pandemic increased many parents' and administrators' awareness of the need for good filtration and ventilation.

Installing a fully integrated Reliable Controls building automation system can offset your school's energy costs and carbon emissions while maintaining comfort, health, and productivity for young learners.



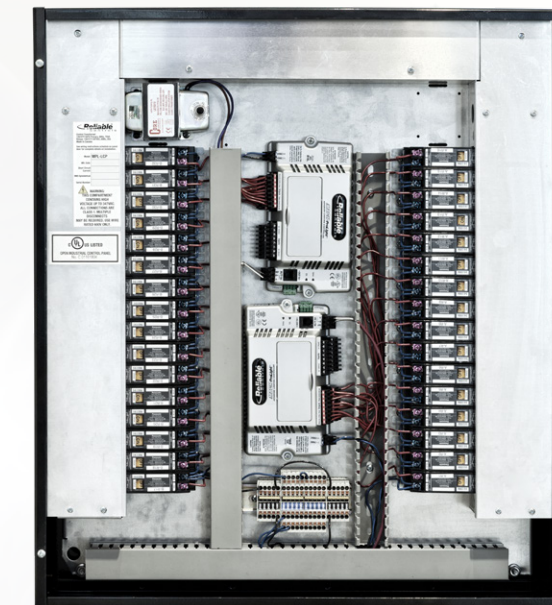
With a building automation system from Reliable Controls, you can improve energy efficiency and air quality, reduce resource consumption, and detect equipment failure before it happens.

- Building control systems are even more impactful when you need to manage a campus of buildings collectively. Connect multiple BACnet building control systems into a single enterprise with RC-WebView software, a time-saving browser-based building management solution that combines the power and accountability of enterprise tools with a simple interface.
- Looking for readable, reliable analytics delivered to your inbox or integrated with your building control system? RC-Reporter software extracts intelligence from your building data and helps you discover actionable insights—delivered automatically to your inbox.
- Streamline your IT management and improve data communications security with RC-RemoteAccess®, a flexible BACnet Secure Network software solution for building automation systems that lets you simply create and manage encrypted BACnet networks in your facility without additional routers or controllers, making data security easy and affordable.
- Integrated fault detection and diagnostics (IFDD) let you get ahead of maintenance before catastrophic failure. The IFDD capabilities in our products use existing cabling structures and save you the time and money involved in implementing third-party reporting. Your Reliable Controls Authorized Dealer can build IFDD right into your building controls system, complete with custom graphical interfaces for your IFDD dashboard. Think of IFDD as your personal automated expert assistant—one that alerts you of issues before they become a real problem.
- Our SMART-Sensor™, SMART-Sensor EPD, SPACE-Sensor™ Temperature, and MACH-ProView devices include an optional volatile organic compound sensor that detects a wide array of chemical compounds, both natural and human-made, to provide air-quality measurement relevant to the comfort and health of your students.

Integrated lighting control saves energy and helps reduce maintenance costs. The MACH-ProLight™ advanced lighting controller is a freely programmable and scalable BACnet Building Controller that provides 0–10 V continuous dimming and BACnet lighting output support. This means you can easily implement advanced control strategies such as daylight harvesting, dim-to-off control, vacancy control, plug-load control, and scene/theme control, key strategies for achieving OpenADR, ASHRAE 90.1, and Title 24 compliance.

- All models of MACH-ProLight are compatible with standard lighting control relays, low-voltage peripherals, EnOcean wireless products, and Reliable Controls SPACE-Sensor Temperature, SMART-Sensor, and SMART-Sensor EPD products.
- Electrical power consumption for lighting is a major expense for many schools. Savings in lighting costs and energy consumption are easily achievable when you can integrate lighting control directly into your building automation system.
- Studies show daylight harvesting leads to improved occupant productivity, student performance, and attendance—all while reducing the need for energy-consuming artificial lighting. It's a win-win for schools and their students.

*MACH-ProLight
advanced lighting controller*



Easily integrate a host of wireless EnOcean peripheral devices into a Reliable Controls system using the MACH-ProLight advanced lighting controller.

MACH-ProLight Lighting Control Panel (MPL-LCP-32)

Safeguard your school with MACH-CheckPoint™ door controllers and RC-Passport® software, a modular, scalable platform that provides unified access control for your facility. Within a highly automated, schedule-based system designed to efficiently process visitors and accommodate special events, overlapping layers of security prevent unauthorized access to school buildings and grounds without creating delays for students and staff.

- Easily access video surveillance, muster reporting, an intercom feature, intrusion-detection information, and diverse notifications.
- Built-in visitor management incorporates photo captures, driver's licence scans, and electronic signatures.
- Together, the MACH-CheckPoint and RC-Passport can provide fully customized incident evaluation procedures and automated lockdown sequences.
- Use simple scheduling or credential-based access for after-hours events and activities.
- With the backward compatibility and future readiness built into Reliable Controls products, your security system will be open to future expansion.



MACH-CheckPoint door-access controller

- Our products use the BACnet open protocol, so the equipment in your building will communicate as a single system.
- Our building automation controls communicate through an encrypted BACnet Secure Network, protecting your building and your privacy.
- Integrated fault detection and diagnostics provide you with an automated expert assistant so you can take action before an issue becomes a real problem.
- With our software, you control how data are gathered, formatted, and delivered, freeing you from costly extras like licensing and copyright fees.
- Our myControl® mobile app lets people in your buildings use their mobile devices to improve their everyday experiences.
- We are firmly committed to minimizing waste both in our manufacturing process and once our products are installed in your building.
- Our products are backward compatible with those that came before, so you stay in control of what, when, and how to upgrade.
- With comprehensive training, we arm you with the knowledge you need to run your buildings as smoothly and efficiently as possible.
- Our global network of factory-certified local Authorized Dealers understand your unique needs and are there for you when you need them most.





“We run a portfolio of over 80 buildings across our campus and have very high standards and expectations for our building automation system. We find the Reliable Controls system very simple to understand while also having the power to achieve complex automation processes that assist with reducing energy and saving time.”

—Jaime Cornwell, University of New South Wales



University of New South Wales

“Reliable Controls is by far the best on the market today. The product line is constantly growing and improving to adapt to the demands of our industry. The usability of the hardware and software makes Reliable Controls our first choice in controls. More important, staff at Reliable Controls is second to none. Everyone from the top down exceeds our expectations at every turn.”

—Chris M. Ruth, Integrated Facility Services Inc.



Find an Authorized Dealer near you today.

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