Room Alert
We've got this.

Protect Your Campus, Students And Faculty With Proactive Facilities Environment Monitoring

Room Alert monitors, sensors and software help protect campuses against downtime and damages caused by environment factors not monitored by traditional security methods. Installing Room Alert ensures your networks and data are protected against costly downtime while providing students and faculty with healthy environments that encourage learning.

Protecting your campus against downtime with Room Alert

Every higher education institution functions as its own ecosystem. Multiple buildings, food service facilities, power plants, data centers, server rooms, IT closets, laboratories and more are all spread out across the campus; these various facilities serve the students and faculty as well as the surrounding community and any benefactors who may be sponsoring research and development or other projects on the school's grounds.

Most campuses have the same needs as a small city. Everything from power monitoring to traffic management and facilities oversight need to be accounted for in order to provide the best learning environment possible for the students. The safety of everyone on campus is also an ongoing concern; maintaining healthy surroundings is crucial to providing the best possible year-round environment.

In addition to security monitoring across the campus to promote safety, environment monitoring is a key component in the business continuity and resilience plans of every campus. Proactive environment monitoring helps to control the temperature, humidity, heat index and more in every building on campus, providing cost savings and better management when it comes to the active learning environments in classrooms and dorms.

Environment monitoring provides an overview of all the facilities every campus depends on. Food services freezers and refrigerators are monitored to prevent spoilage and food-borne illnesses, while freezers in labs can be kept at the optimal temperatures to avoid contamination of experiments or samples currently undergoing testing.

About AVTECH
· In business over 35 years
· Found in over 185 countries
· Distribution in RI, USA and Shannon, Ireland

Room Alert Basics
· Multiple monitor models
· Pricing begins at $295
· Full range of sensor options
· Solutions for every industry, type & size organization

Room Alert Monitoring
· Free Room Alert App
· Online Room Alert Account
· Includes Room Alert Manager (Professional Tier & higher)
· Local software provided
· Fully compatible w/ third-party SNMP tools

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Likewise, flood / water leak monitoring can help a small issue such as an overflowing toilet turn into a massive $700,000 loss if that water seeps into a building's primary server room. Every building on your campus monitors for fire and smoke; since organizations are 10 times more likely to suffer damages from water leaks than they are from fires it makes sense to have water leak monitoring throughout all your critical areas to prevent downtime.

Room Alert provides proactive environment monitoring through a full suite of monitors, sensors and software. No matter the size or type of facility you need to monitor on your campus, there is a Room Alert solution that you can fully customize to provide full environment monitoring to prevent damages and downtime.

In addition to notifications of potential problems such as high heat caused by a failed HVAC or humid conditions that can lead to mold growth, Room Alert's long-term reporting can help you spot trends in your buildings to enact preventative maintenance to save costs on equipment replacements while also providing optimal environments for your students and faculty.

With an entire ecosystem comparable to a small city to monitor and manage, Room Alert provides you with peace of mind knowing that all your buildings, critical areas and network are being monitoring 24x7 against environment-related downtime. When your campus is protected by Room Alert, you can easily check status on any monitored location via desktop, mobile, tablet or your choice of monitoring software platforms. You'll receive alerts via SMS and email as soon as the conditions you're monitoring approach thresholds you've determined, and environment trends are logged and reported for all your compliance and historical records needs. You can even view a map of the entire campus with icons indicating current conditions and alerts in specific locations, making it incredibly easy to stay informed regarding current environment conditions wherever Room Alert is installed.

Monitor your data centers, server room, telco closets and more

The modern college campus is hyper-connected. Campus-wide Wi-Fi allows students and visitors to access the Internet and local campus services. Data centers host servers that provide online learning opportunities for remote students, while classrooms feature connected smartboards and appliances that enhance learning experiences. Research labs on campus are sharing their data and results with other outside groups to search for potential breakthroughs that could change how we view medicine, healthcare, and more.

Even a minor blip in your campus connectivity could be problematic with so many people reliant on being online. Network monitoring tools tell you the status of your Internet connections and server health, while firewalls protect malicious traffic from getting in and helping to ensure bandwidth is shared equally among your various buildings and groups. Having an overview of your network and critical appliances at all times is crucial when it comes to avoiding downtime.

Maintaining uptime with traditional monitoring and security services is important, however it misses out on factors that cause nearly 30% of all downtime and data loss incidents.

A well-maintained firewall helps prevent bad actors from accessing your network and data, however it won't warn you if the HVAC unit in one of your core data centers is failing, causing the temperature to quickly rise to the levels that can cause hard drive failure. Nor will your managed switches let your team know if a water leak is detected in the telco closet that handles all your Internet routing across most of the campus.

Proactive monitoring with Room Alert gives you a full overview of all the environment factors that could bring down your network at any given time.

Not only will you be alerted to a potential concern that could cause downtime or damages, Room Alert also provides logging and reporting features that allow you to measure trends over time and enact preventive maintenance when necessary.

Here are some key areas Room Alert will help keep your network and infrastructure protected.

Data Centers – Installing Room Alert 32E monitors in your cabinets and racks gives you a full insight into the temperature and power status of your servers. Adding the Digital Active Power w/Temperature Sensor to the power cables of your servers to monitor power status as well as exhaust temperature to gain insight into the health of your individual servers.

Humidity monitoring is vital to server and appliance health. Too little moisture in the air leads to the potential of static discharge when working on equipment, shorting out sensitive devices and causing damage. Too much moisture in the air leads to condensation, degrading hard drives, motherboards and more. Installing Digital Temperature & Humidity Sensors throughout your data center will provide real-time values on both temperature and humidity while also reporting on dew point and heat index to give you a full overview of the environment status in every data center on campus.

Server Rooms – In far too many instances, a building's "server room" is actually a little-used room that's been repurposed to host servers and other appliances. This is especially prevalent in older buildings that may not have been fully updated with the proper HVAC designed to maintain a room filled with servers and equipment exhausting hot air into the room while requiring a higher power draw than the infrastructure was designed for.

The Room Alert 12ER excels in these situations by providing a rack-mountable solution with plenty of sensor capacity to monitor server racks as well as the room environment itself. Power sensors monitor status of outlets and junctions to ensure the electrical infrastructure can keep up with demand, while Flood Sensors w/Cable will notify you the moment water or liquid is detected near your equipment. Remote server rooms may not see as much foot traffic as your core data centers, so installing a variety of sensors will allow you to keep an eye on the critical environment factors that could potentially cause downtime.

IT Closets – Many buildings have closets on each floor that contain network equipment required to keep things up and running with maximum uptime. Telco switches, wireless repeaters and network monitoring appliances may reside in your closets, which are often closed and remain unopened unless there's an issue.

Installing Room Alert 3E monitors in your closets will provide updated temperature status 24x7 to prevent overheating issues, while Room Entry sensors will notify you the moment the door to that IT closet is opened, helping to prevent any potential damages due to curious students or staff. The Room Alert 3E's small footprint allows you to mount in any manner of ways, leaving the prime real estate in the closet for your critical equipment.

Monitor your facilities throughout the campus to prevent downtime, loss and more

Every building on your campus is important. Power plants help keep everything up and running, while kitchens and dining rooms keep students and faculty fed. Libraries provide quiet, comfortable havens for studying students while also housing potentially priceless collections and artifacts.

Knowing the environment status of all of those buildings not only provides a comfortable environment for your staff and students, it helps to prevent costly downtime and damages that occur when HVAC failure, water leaks, power loss and more take you by surprise and go undetected for even a short period of time.

Room Alert monitors and sensors are designed to be fully customizable based on the exact facility they're used to protect. Your campus most likely contains a wide number of freezers and refrigerators in various buildings. Most are used to hold food for dining facilities, while others may be used in labs that store experiments, samples and more. Every one of those can have their internal temperature monitored with the Digital Fluid Temperature Sensor to alert you as soon as temperatures start to reach potentially hazardous levels that can result in food or sample loss, while Power Sensors will alert you the moment power to any of those freezers or refrigerators is lost. One campus discovered Room Alert only after losing $40,000 in medical samples currently undergoing testing. A much smaller expense to install Room Alert proactively would have helped to prevent that costly loss.

Campus libraries contain countless volumes that students and faculty need on a daily basis. While digitization efforts will always be ongoing, many texts are still only available in physical form, and keeping those texts protected from high humidity and heat are vitally important. Many libraries also store and display historical artifacts that are studied by students and faculty; losing even one of them due to a water leak or humidity damage could be devastating. The Library of Congress protects their shelves against environment-related damages with Room Alert, and your campus library can easily be protected as well.

Installing Room Alert monitors and sensors in unobtrusive locations provides the immediate benefit of alerting your staff to any possible situations that can cause damage. Room Alert offers a number of monitoring methods, including local firmware monitoring as well as the online Room Alert Account dashboard that offers the patent pending Monitor360 technology. Many environment monitoring solutions tell you what's happening within your facilities, while Monitor360's virtual sensors and alerts give you the *why*. A Monitor360 alert in your library can tell you that temperature and humidity are both exceeding thresholds you have set to protect the thousands of volumes on the shelves, while also providing status of HVAC vents near the stacks via Air Flow Sensors. This can indicate a vent blockage, accidental closure, or even a problem with the HVAC unit itself.

You no longer need to rely on a single alert to begin the process of dispatch and troubleshooting. Monitor360 technology and Room Alert provide you with the exact information you need for your facilities management team to take immediate steps to protect your libraries, labs and more throughout your campus.

Your campus may already be using a popular SNMP monitoring software suite to maintain your current network appliances; Room Alert is fully compatible with most third-party SNMP platforms and integration is completed in a matter of minutes. If your IT and facilities management teams already have a monitoring suite in place, Room Alert can easily be added to quickly expand your facilities monitoring capabilities to further protect your campus.

Keep students safe and provide optimal learning environments with Room Alert

The health and well-being of your students and faculty are key concerns for every administrator. Providing your campus with environments that both encourage learning as well as provide optimal conditions for healthy living help enhance community life and help to set you apart from other institutions your prospective students might be considering.

Basic environment monitoring with Room Alert is just as important as keeping an eye on your critical IT locations and other facilities. A comfortable environment is an inviting one, and one that also helps your students learn and your faculty teach to a higher level.

Your student body will spend much of their time in your dorms – relaxing, studying, socializing and more. The more inviting the environment, the easier it will be for them to focus on their studying and schoolwork. Every school wants their student body to get the most out of their college experience and providing the best possible environment for learning is just as key as picking the right faculty members to lead classes.

Recent studies have shown that an 8 degree increase in temperature results in a 10% decrease in cognitive abilities. By constantly monitoring the temperature in your dorms and classrooms, your students will be able to lean more effectively while your faculty are able to teach in an optimal environment that's conducive to student learning.

Room Alert can also be tied into building management systems to help trigger actions if temperatures begin to rise too quickly. Depending on your campus location, climates that trend towards higher heat have a much smaller window of being able to adapt to a sudden spike in temperature. Adapting quickly to those changes will help you maintain an optimal, level learning environment.

Many campuses are in regions that trend towards higher humidity and moisture content in the air. Heat combined with moisture will quickly turn into situations that promote mold growth. If left unchecked, mold will lead to health concerns among faculty and staff. Even if your campus is in a normally drier climate, an unnoticed water leak due to a leaking pipe or construction accident can lead to unseen mold growth. If this were to occur, you may not notice the mold conditions until it's too late and you have a health (and public relations) issue on your hands.

Room Alert monitors combined with Flood and Humidity sensors are beneficial to preventing mold growth conditions throughout your campus.

By using Room Alert's reporting features your facilities management professionals can track temperature and humidity trends around your campus, and take preventative measures if conditions are nearing those that promote mold growth. Even if you don't have Flood Sensors spread throughout your entire campus, an unnoticed water leak will lead to more humidity in the air; noticing these trends either through alerting or reporting will allow you to stop potentially hazardous conditions before they fully take root on your campus.

Protect and enhance your campus with Room Alert

Higher education has become an increasingly competitive field. Offering a welcoming campus is one of the very first things your prospective students will see, and your current students will point to as one of the main reasons they chose your school.

Your staff and facilities management groups have their own reasons for wanting to monitor the environments contained within your campus. Keeping temperatures and internal climates regulated will save energy and heating costs in the long run, identifying potentially problematic HVAC units and repairing them proactively will cost far less than replacing them if they break down, and maintaining optimal operating conditions in your data centers, server rooms and other IT facilities will prevent costly downtime and data loss.

Adding Room Alert to your monitoring arsenal is both cost-effective and easy; with Room Alert monitors starting at just $185, there is a Room Alert solution for every situation and budget. A wide-ranging array of digital, analog and switch sensors offers options for every environment factor that can negatively impact your campus and facilities.

All Room Alert monitors and sensors are "plug and play", making setup a simple scenario regardless of your technical experience. With multiple ways to monitor Room Alert, including local software, our online Room Alert Account dashboard and compatibility with many popular SNMP monitoring suites you may already be using,

With all the various buildings, facilities, networks and appliances your campus needs to monitor and maintain, the question isn't whether you can afford to deploy Room Alert… it's whether you can afford NOT to.

Room Alert makes environment monitoring on your campus easy… don't wait until it's too late!