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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract. The document contains a general product overview. Availability can vary by country. For detailed product information, please contact the company office or authorized partners.

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Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming, and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of building occupants. Also, our need for safety and security is constantly growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers. Call your local Siemens representative to learn more.

*“We are the preferred partner for energy-efficient, safe, and secure buildings and infrastructure.”*

## Siemens Total Room Automation

Simple. Seamless. Innovative. We've reinvented room control for the 21st century.

# The new standard for total room control and cost savings.

Siemens Total Room Automation is a control system for room temperature, air quality, lighting, and shade control. A single room controller and display provides simplified control while reducing installation costs and maximizing long-term energy efficiency and cost-savings.

Siemens TRA is offered as an option to the APOGEE Building Automation System from Siemens, a key building block for making buildings smarter, more efficient, and sustainable.

Siemens Total Room Automation (TRA) combines room HVAC, lighting and/or shading systems into one, seamless package. As one solution instead of three, Siemens TRA cuts initial product costs, installation costs, and ongoing operating costs, while increasing room energy efficiency and providing optimal comfort for room occupants.

With its innovative approach, TRA is changing the equation for today's room control. And, it's changing the equation for room occupants, specifying engineers, building designers, building owners, and even building contractors.



Single display for all room functions

## How? All-in-one

Siemens TRA is NOT an integrated system. At the heart of Siemens TRA is Siemens DXR controller with embedded software for all three room functions. The payoff...instead of separate systems for HVAC, lighting, and shade control, each with its own network infrastructure, Siemens TRA controls all three functions. It does this through a

single room display so occupants can adjust the room environment for temperature, lighting, and shading from one, wall-mounted device.

The innovative result...a simplified solution that reduces costs. TRA orchestrates the different systems to provide optimal room comfort conditions with as little energy as possible.

## Benefits for all

For building designers, TRA streamlines the design process with just one system to incorporate into building plans. For contractors, installation and testing are greatly simplified thereby minimizing hardware costs and labor. And for building owners, maintenance budgets are reduced with only one system to maintain over the long-term.

## TRA with sustainability in mind

With a stylish, simple interface, Siemens TRA enables building occupants to take an active role in room conditions. While building managers can pre-set a room to perform at optimum levels, and at room occupants' desired level of comfort, occupants still have local control and flexibility. In fact, TRA helps building owners meet LEED® certification by providing occupants control over their environment. They can override the pre-set conditions to meet their immediate needs for temperature, lighting, and shading.

Siemens TRA constantly monitors the status of room temperature, lighting, and shades; when room conditions deviate from the optimum pre-set state, the room display's greenleaf icon changes to red. To return the room to the most energy efficient levels, a single tap of the red leaf icon is all that is



needed. With powerful room status feedback, room occupants become engaged in their own comfort and room energy savings. TRA has the answers and takes action. It allows the room to operate as efficiently as possible, reduces energy usage, and helps drive buildings toward their sustainability goals.



## Better together

Siemens TRA is an integral part of the APOGEE Building Automation system, which means both room occupants and facility managers can easily take charge of room conditions. Room operations can be managed from a central workstation. In addition, room data for temperature, lighting, and shade control are automatically stored and shared, facilitating smarter decision-making for optimized operation.

## Think ahead

Siemens TRA is an ideal choice for new construction and major retrofits. Once installed, it is flexible and scalable, making it easier than ever to invest in tomorrow's technology today. As building needs evolve, plug-and-play room devices let you adapt and add room applications quickly and simply.

When it comes to room control, innovation is here. With TRA, room automation truly works as one, intelligent solution. It ensures perfect interplay between your heating, ventilation, air conditioning, lighting, and shading systems. It's Siemens TRA – simple, smart, cost-effective, and energy efficient.

## Siemens TRA benefits:

- Lowers construction costs
- Lowers energy costs
- Lowers maintenance costs
- Increases occupant comfort
- Streamlines facility management
- Supports sustainability
- Raises property image