



SYMMETRY™ BUILDING CONTROL

The optional Building Control module enables easy automatic control of building systems, such as Heating, Ventilation and Air Conditioning (HVAC) units, and lighting equipment.

By monitoring activity at access control readers and by using movement sensors, the Security Management System (SMS) is able to judge whether an area is occupied or unoccupied. This enables the SMS software to switch devices such as HVAC units on or off depending on current occupancy. The Building Control module can lead to significant energy savings, which reduces costs and helps to protect the environment.

Reducing energy usage can lead to other major benefits, including avoidance of costly upgrades to HVAC or other systems to cope with increased demand. In addition to automatic control, the module also enables easy manual control of building systems from the SMS user interface, including from graphical maps. Using a common user interface for multiple systems can reduce training costs and increase staff efficiency.

Communication between the SMS software and building systems is provided using the industry-standard BACnet™ communications protocol, which provides compatibility with a wide range of different building equipment.

KEY FEATURES

- Helps to save energy, reduce costs and protect the environment
- Provides easy automatic and manual control of building systems from the SMS user interface using the industry-standard BACnet™ communications protocol
- Enables building systems to be switched on/off from graphical maps
- Helps to reduce load on building systems and reduce equipment costs
- Enables SMS sensors such as motion detectors to be used by other building systems
- Allows a common user interface to be used, which can reduce training costs and increase staff efficiency
- Scheduled and conditional commands can be set up to control building systems



SPECIFICATIONS

BACnet Projection

- BACnet objects project the status of “building controls”, each used to switch on/off a separate HVAC or building system
- Optionally projects the status of any monitor point or door and the last alarm detected by the SMS system
- BACnet polling method used to transmit object values

Commands

- Manual commands – provide manual control of building controls from the View / Commands, View / Status and View / Maps screens
- Scheduled commands – switch building controls on/off automatically at different times, depending on day of the week or holiday dates
- Conditional commands – switch building controls on/off automatically, depending on events such as “card commands”, which can override HVAC systems from a card reader

Access Rights

- Access rights enable only authorized card holders to affect the current occupancy status

Time Codes

- Time codes can be used to define the times that the SMS is able to control a building system

Building Control Groups

- Groups of building controls can be defined, which enables, for example, a single command to switch on several building controls in one operation
- Building control groups allow easy assignment of access rights to building controls

STATUS VIEWING

Each building control can use the timing or counting method to determine when to switch on/off:

Timing Method

- Switches on building control for a defined period following a granted access transaction at an associated reader
- Timer ensures that building control remains switched on for a predefined period
- Motion detector prevents building control from switching off while area is occupied

Counting Method

- Keeps building control switched on while occupancy of area is greater than zero
- Occupancy count is increased by one for each granted-access transaction at an associated reader
- Use of exit-request button decreases occupancy count
- Optional entry and exit areas for each reader
- Run-on timer keeps building control switched on for a predefined period when occupancy count reaches zero



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