



BUILDING AUTOMATION & CONTROL

OVERVIEW

Software integration activity allows for many building functions to be controlled by the DSX System. Systems can be managed by date, time, day of week, user, or event driven relay outputs. Systems that are electrical in nature, or are controlled by a switch or timer, can be directed through the WinDSX Software.

LIGHTING

Lighting Control can be custom fit to the building and customer needs, the configuration options are endless.

Options include:

- Lighting Control by programmable zone of building, tenant, or common areas
- Automatic On / Off Schedule by date, day or time
- Override of Automatic Schedule by authorized user
- Control from computer, card read or keypad

HVAC SYSTEMS

- Scheduled Thermostat Control by programmable zone of building, tenant or common areas
- After Hours Zone Control for multi-tenant buildings- tenants may use an access code or card read at a designated reader to extend thermostat control past the normal hours required by the lease.
- Monitor after-hours usage in each tenant space- each time a tenant overrides the system to continue use, the HVAC thermostat control functions for a pre-set amount of time (From 1 second to over 9 hours). The Tenant may override again after the pre-set time has elapsed. This allows the building administrator to define the amount of extra consumption that each tenant is responsible for and bill for the cost of the extra HVAC use.
- The HVAC zone control relay can always be overridden from the PC.

ELEVATOR CONTROL

WinDSX fully supports Floor Select Elevator Control and can provide full elevator security. Typically, each Elevator Cab is equipped with a card reader. The DSX System can be configured and programmed to automatically secure and unsecure any or all Floor Select Buttons in a cab individually by time and day of week. Access is limited by access code or card read in the cab before the secured Floor Select button will operate and light when pressed.

There are two ways the WinDSX System can secure the Elevator.

1. Car-Call Buttons on the common level or ground floor are disabled. The Elevator cannot be accessed until a valid card is used that enables the car-call button. The upper or secured floors have free access to the elevators. This requires just one reader and one relay output for each car-call button on the floors that need to be individually secured.
2. Floor Select Buttons in each Cab are disabled for the floors to be secured. A reader is placed in the Cabs and a valid card read enables the Floor Select Buttons authorized for the Card Holder. Restricted floors are not accessible without a required access code. Once a Floor Select Button is secure, it requires the passenger to use their access code or card at the reader in the cab before the select button will operate and light when pressed.

DSX-Soft IO used with WinDSX provides a high-level interface to Kone or Otis Elevators using data exchanges instead of relays to control cabs and access to floors.

BUILDING MONITORING

Door and Point Monitoring is a basic function of the system. DSX will monitor the open and closed state of all doors in the building. Public and employee entrances along with stairwell and emergency exit doors can all be monitored by the system for authorized and unauthorized access.

Alarm Email or Text Notification

Alarms from the DSX Access Control System as well as other systems can be programmed to sent to the customer via Emails or Text Messages. This allows for specific and immediate response to building events and occurrences.

EXTERIOR LIGHTING, PARKING LIGHTING & FOUNTAINS

By connecting these systems to relays controlled by DSX, management of these systems can be manual or scheduled.

OTHER SYSTEM MONITORING

DSX-Soft IO allows systems to send data via ascii text messages to the WinDSX system and have the WinDSX system report, react to and record those events.