



Simple Room Based Lighting Controls



The NX Lighting Controls platform delivers a seamless interior and exterior lighting control solution. NX manages projects from a single room, to entire buildings and multi-location properties. NX offers complete flexibility in project design by offering both wired and wireless options, with a common user interface. Part of the NX family, the FX Room Controller provides an affordable single room control solution by reducing installation complexity and meeting code requirements.

Plug and Play Installation

The FX Room Controller provides automatic and manual lighting control with the simplicity of plug-in installation and auto-configuration. Devices such as digital wall stations, occupancy/vacancy sensors, and daylight sensors are simply plugged into the FX Room Controller and auto-configure to default operations. All device communication is over standard Cat5 cables which simplifies installation and eliminates wiring errors.



Features

- SmartPORT™ allows auto-configuration of NX Occupancy Sensors, Daylight Sensors and Smart or Specialty Wall Stations
- Scalable system with ability to connect up to 32 FX Room Controllers for a total of 64 loads
- RJ45 connectivity simplifies plug-and-play installation while eliminating field wiring errors
- Schedules are held in the devices themselves with Built-in Time Clock requiring no additional costly devices for scheduling
- Advanced configuration, power metering, and control through the NX Area Controller or NX Lighting Controls mobile application

Typical Applications



Classrooms



Open Offices



Warehouses



Commercial Spaces



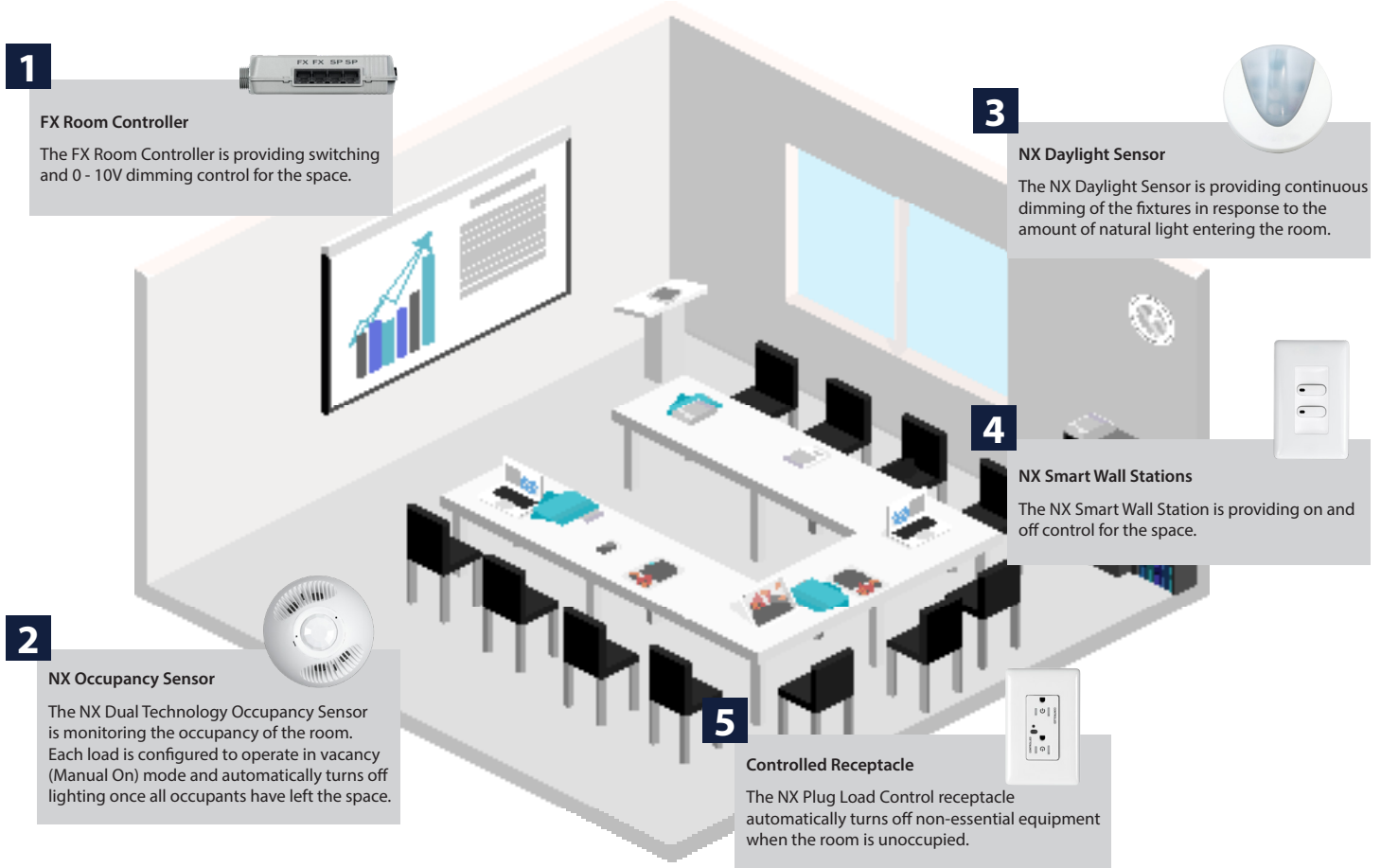
Personal Offices



Reception Areas

Room Control Solution

The FX Room Controller allows for an easy, cost effective way to control the lighting of an individual room or space. Below is an example of a how typical space could be configured and controlled using the FX Room Controller.



1
FX Room Controller
 The FX Room Controller is providing switching and 0 - 10V dimming control for the space.

3
NX Daylight Sensor
 The NX Daylight Sensor is providing continuous dimming of the fixtures in response to the amount of natural light entering the room.

4
NX Smart Wall Stations
 The NX Smart Wall Station is providing on and off control for the space.

2
NX Occupancy Sensor
 The NX Dual Technology Occupancy Sensor is monitoring the occupancy of the room. Each load is configured to operate in vacancy (Manual On) mode and automatically turns off lighting once all occupants have left the space.

5
Controlled Receptacle
 The NX Plug Load Control receptacle automatically turns off non-essential equipment when the room is unoccupied.

- 1** **FX Room Controller** - Used individually or in combinations, the room controller is the central component in the NX room control solution. It contains either one or two independently controlled relays. Dimming versions are available that provide one or two 0 - 10VDC control signal outputs for full range control of dimmable ballasts and LED drivers.
- 2** **NX Ceiling and Wall Mount Occupancy/Vacancy Sensors** - Sensors employ Dual Technology, Passive Infrared (PIR) and Ultrasonic (US) sensing technologies to control lighting based on occupancy. Each load can be individually set to operate either in occupancy (Auto On) or vacancy (Manual On) mode. These sensors employ IntelliDAPT® technology to eliminate sensor commissioning and prevent false-offs.
- 3** **NX Daylight Sensor** - Using a photodiode element, the daylight sensor continuously measures daylight levels and sends the information to the FX Room Controller which then performs daylight switching or dimming functionality based on the amount of natural light in the area. The system provides a self calibration feature to facilitate installation and can be configured to comply with specific requirements.
- 4** **NX Smart Wall Station** - The NX Specialty or Smart Wall Stations provide control flexibility with out-of-the-box functionality for easy auto-configuration. Up to 8 wall stations can be connected to one port on a FX Room Controller. The attractive decorator style allows for ganging and use of standard decorator style wall plates.
- 5** **NX Plug Load Control Receptacle** - Connects directly to the FX Room Controller SmartPORT with low voltage wire and RJ45 adapter. No special line voltage wiring is required. The system tracks the occupancy state of the room and turns off non-essential equipment when the room is unoccupied. Meets ASHRAE 90.1 requirements for control of plug loads. Receptacle is available configured for full control or split wired control.



The FX Room Controller Combined with the NXBTC Bluetooth Radio and NX Lighting Controls App allows for more advanced configurations of dimming and daylight functions plus setup of local schedules that do not require a network installation to operate.

