Simple Room Based Lighting Controls

Hubbell Control Solutions' NX Distributed Intelligence™ 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 controlHUBB 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**
   - 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 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.

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 Stations**
   - 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. **Controlled 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 controlHUBB 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.