Small Office

Title 24 Part 6 2022 Compliant
Dimming with NX Distributed Intelligence

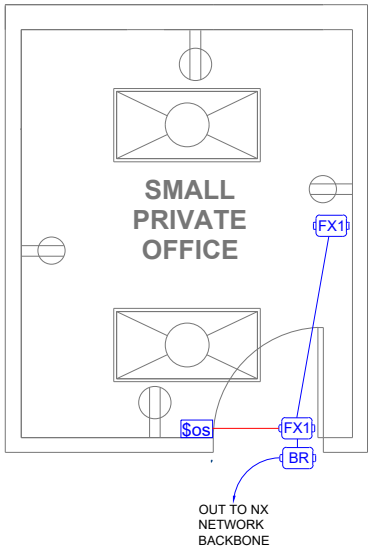
QTY	SYMBOL LIST
1	BR NETWORK BRIDGE
2	FX1 ROOM CONTROLLER 1 RELAY
1	$os WALL OCCUPANCY SENSOR

BILL OF MATERIALS

NXHNB2 - NX Network Bridge Module for networking rooms together
NXRCFX2-1RD-UNV - NX Room Controller 1 relay on/off for receptacle or 0-10 volt dimming for lighting
NXSMIR-LH2 - NX Digital Smart Occupancy Sensor, Wall Switch, PIR, with Daylight Harvesting, Integrated Bluetooth, 2 Button

CODE REQUIREMENTS

130.1(a): Manual Area Controls
130.1(b): Multilevel Lighting Controls
Table 130.1-A: Continuous Dimming 10-100 %
130.1(c): Shut -Off Controls
130.1(e): Demand Response Controls Building > 4000 Watts
110.12 (a): 1.B responding to signal from a certified Virtual End Node
130.1(f): Control Interactions
130.5(d): Controlled Receptacles



SEQUENCE OF OPERATION

1. Lighting auto On to 50% and controlled receptacles auto On when occupancy detected.
2. Manual On/Off lighting with wall switch occupancy sensor.
3. Auto off all lighting and controlled receptacles within 20 minutes of occupants leaving.

DESIGN CONSIDERATIONS

- BMS Integration and Demand Response functions are enabled by using a NX bridge for connectivity.
- System Configuration Tools:
  Standalone rooms use the NX Lighting Controls APP (Apple or Android)
  Networked rooms NX Area Controller (NXAC)

LIGHTING SYSTEMS
www.ltgsys.com
(510) 982-3900
2322 6th Street
Berkeley, CA 94710

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MANUFACTURER: NX BY CURRENT

APPLICATION

DATE: 07/26/23

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