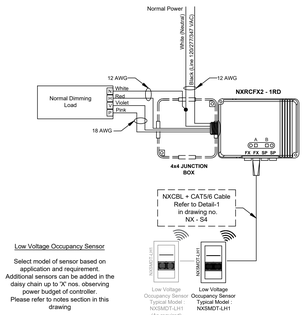
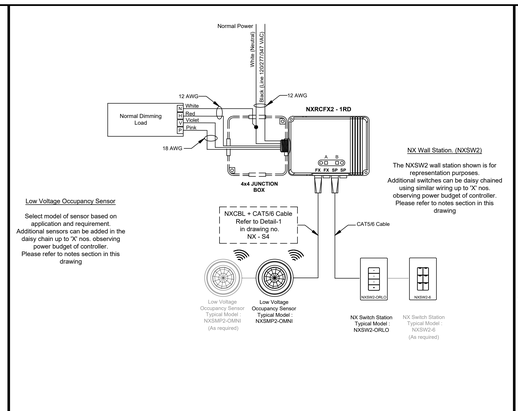
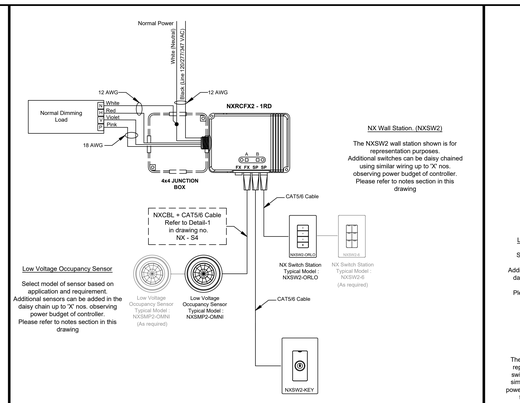


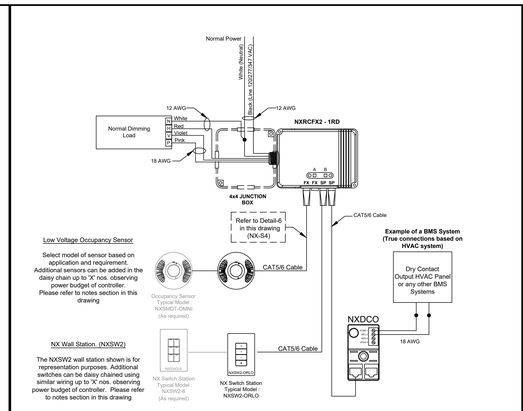
S1. C1 Normal dimming load



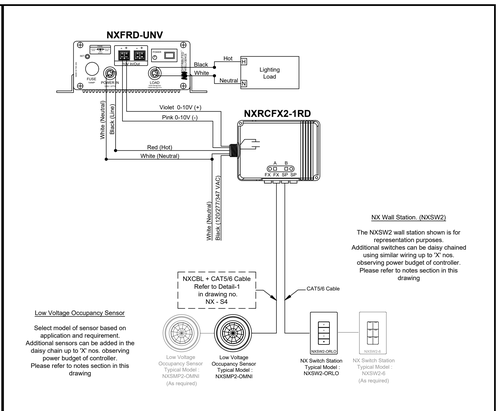
S1. C2 Wireless Networked normal dimming load



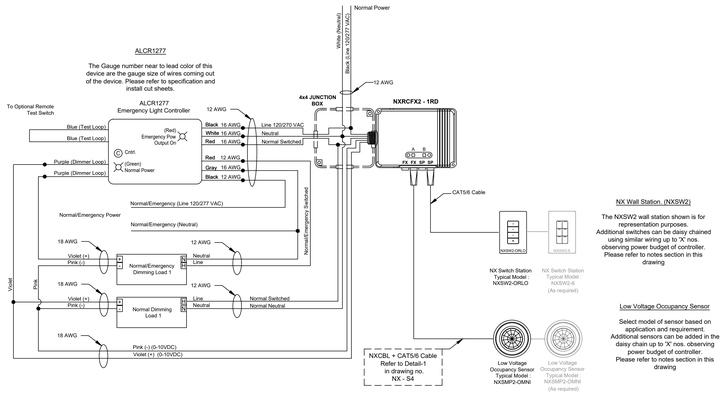
S1. C3 Normal dimming load with key switch



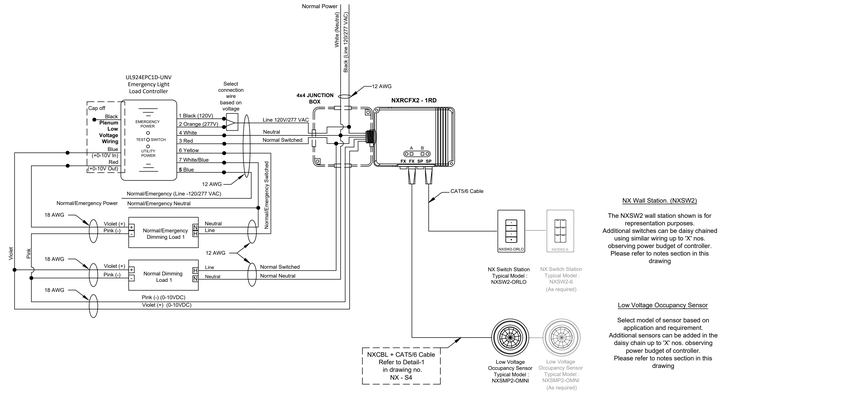
S1. C4 Normal dimming load with integration to HVAC systems



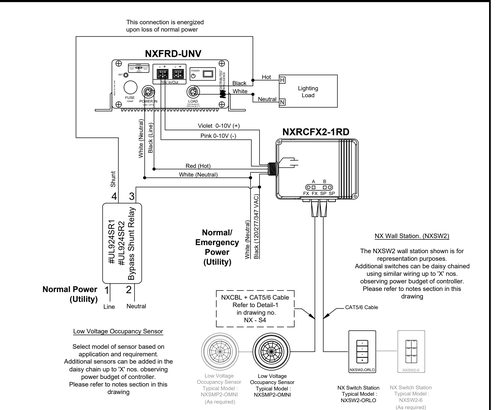
S1. C5 Reverse or forward phase load



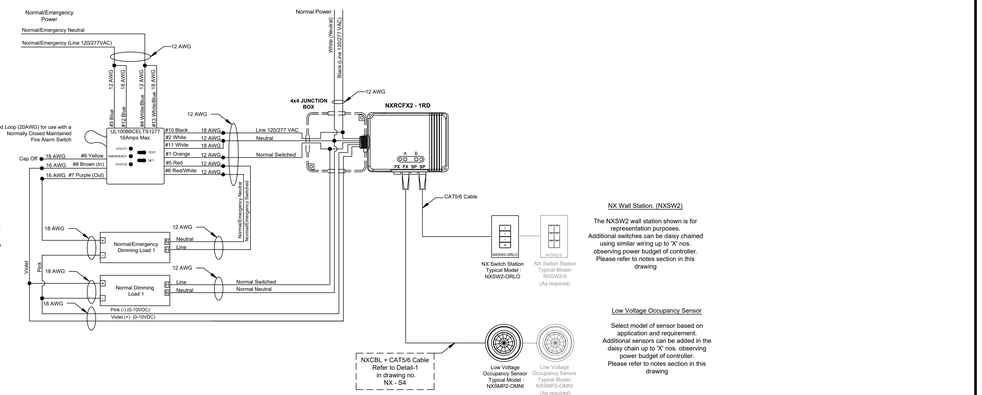
S1. C6 Normal / Emergency dimming load with ALCR1277



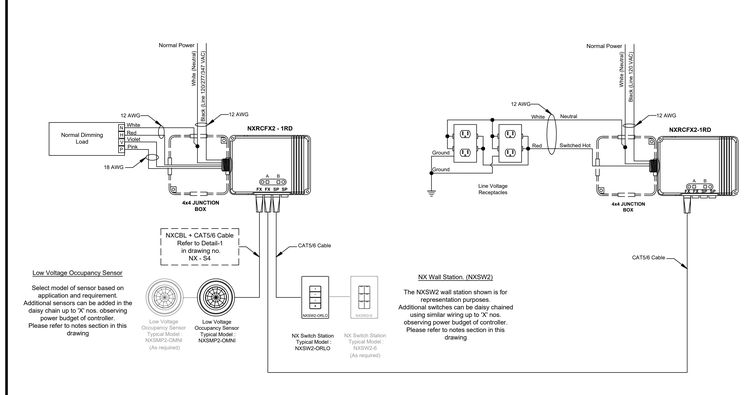
S1. C7 Normal / Emergency dimming load with UL924EPCID-UNV



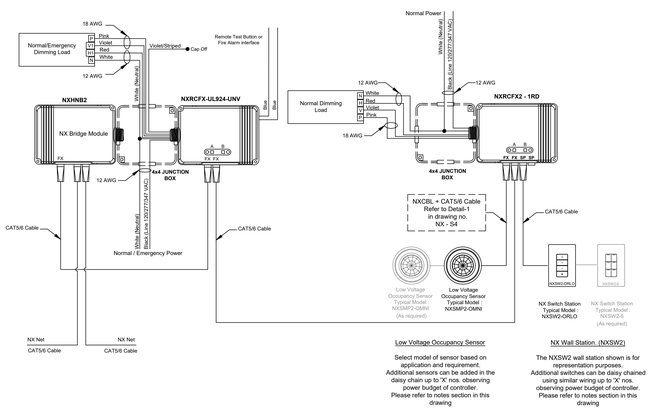
S1. C5 Reverse phase load/Emergency override



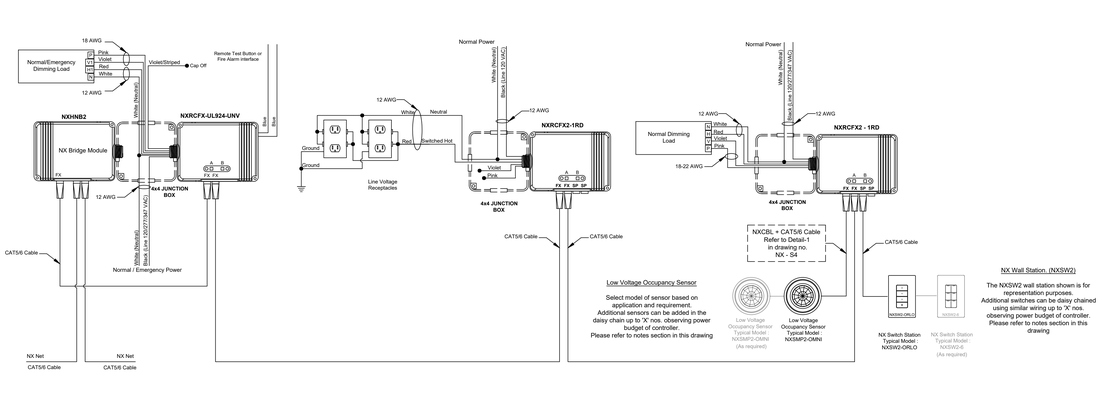
S1. C9 Normal / Emergency dimming load with UL1008BCELTS1277



S1. C10 Normal dimming load and receptacle load



S1. C11 Networked normal / emergency dimming load on NX UL924 room controller



S1. C12 Networked normal / emergency dimming load on NX UL924 room controller and receptacle load

Notes

1. MAXIMUM POWER BUDGET PER ROOM CONTROLLER OR IN-FIXTURE MODULE = 30 PDUs.
2. MAXIMUM POWER BUDGET PER NXP2 PANELS = 140 PDUs.
3. For Power budget of Room controllers and device loads
   3.1. Document link: https://cdn.currentlighting.com/site/installationmanuals/3510B_NXRCFX_Install.pdf
4. NX room controller specification sheet:
   4.1. Document link: https://cdn.currentlighting.com/site/specsheet/3510A_NXRCFX_SPEC.pdf
5. NX wall station control specification sheets:
   5.1. NX Smart Switches
   5.1.1. Document link: https://cdn.currentlighting.com/site/specsheet/3457.1A_NX_Smart_Switch_spec.pdf
   5.2. NX Specialty Switches
   5.2.1. Document link: https://cdn.currentlighting.com/site/specsheet/3457.2A_NX_Specialty_Switches.pdf
   5.3. NX Touch Screen Switch
   5.3.1. Document link: https://cdn.currentlighting.com/site/specsheet/3475A_NXSW_SimpleTouch_Spec%20Sheet.pdf
6. NX dual technology / ultrasonic sensor specification sheets:
   6.1. NXOS-LODT
   6.1.1. Document link: https://cdn.currentlighting.com/site/specsheet/3459A.1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf
   6.2. NXOS-OMNI
   6.2.1. Document link: https://cdn.currentlighting.com/site/specsheet/3459A_NX_Ceiling_Mount_Occupancy_Sensors_Specification_Sheet.pdf
   6.3. NXSMDT-OMNI
   6.3.1. Document link: https://cdn.currentlighting.com/site/specsheet/NXSMDT-OMNI_SPEC_SHEET.pdf
7. NXSMP2 indoor/outdoor sensors, please select appropriate sensor specification sheet.
   7.1. NXSMP2-HMO
   7.1.1. Document link: https://cdn.currentlighting.com/site/specsheet/3602A-NXSMP2-HMO-Lighting-Controls-PIR-High-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf
   7.2. NXSMP2-LMO
   7.2.1. Document link: https://cdn.currentlighting.com/site/specsheet/3603A-NXSMP2-LMO-PIR-Low-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf
   7.3. NXSMP2-LMI
   7.3.1. Document link: https://cdn.currentlighting.com/site/specsheet/3604A-NXSMP2-LMI-PIR-Low-Mount-Indoor-Sensor-Module-Spec-Sheet.pdf
   7.4. NXSMP2-OMNI
   7.4.1. Document link: https://cdn.currentlighting.com/site/specsheet/3601A-NXSMP2-OMNI-Wireless-Lighting-Controls-PIR-Omni-Indoor-Sensor-Module-Spec-Sheet.pdf
8. NX Brochure
9. Document link: https://cdn.currentlighting.com/site/brochure/NX_brochure.pdf
10. NX Wireless Guide
11. Document Link: https://cdn.currentlighting.com/site/brochure/DT149-NX-Wireless-Lighting-Controls-Brochure.pdf
12. NXP2 Panel Brochure
13. Document Link: https://cdn.currentlighting.com/site/brochure/NX_Panel_2_Brochure.pdf

NX Devices that Consume Power	
NX Accessory Device Categories	**PBU Used to Power Device**
NX Bridge	-5
NX Switch Station	-2
NX Simple Touch	-15
Analog daylight sensor (photo sensor)	-1
Analog PIR only occupancy sensor	-1
Analog PIR only occupancy sensor with RP option	-2
Analog dual technology and ultrasonic occupancy sensor	-3
Analog dual technology and ultrasonic occupancy sensor with RP option	-4
Digital dual technology ceiling sensor	-7
Digital dual technology and passive infrared wall switch sensors	-5
Digital passive infrared ceiling occupancy and daylight sensors	-3
Single contact closure module input (NXCI)	-1
Single contact closure module output (NXRO or NXDCO)	-3
Digital radio module (NXRM2-H)	-3
Audio video module (NAVM)	-1

Rev.	Date	By
1	07/20/23	MK.
2	01/10/24	AJ

TITLE: NX TYPICAL CONFIGURATIONS: NXFX CONTROLLERS WITH SINGLE LOAD

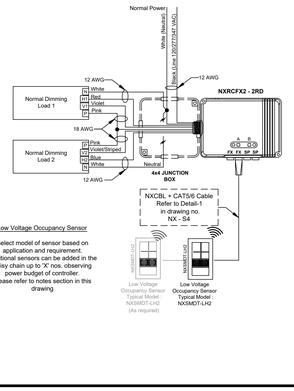
Current

DRAWN BY: xx | DATE: 07/06/2020

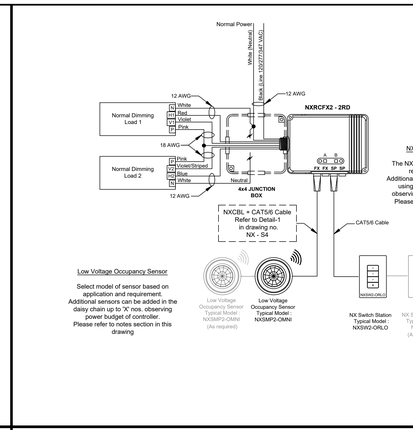
REV: 0 | SCALE: NTS

DRAWING / DESIGN NO.: NX - S1

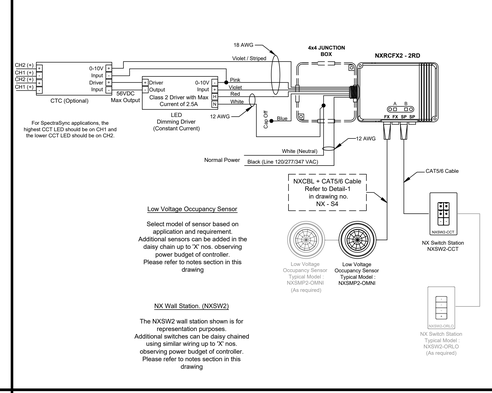
701 Millennium Blvd.
Greenville, SC 29607
Main Switchboard: (864) 678-1000
Technical Service: (800) 888-8006



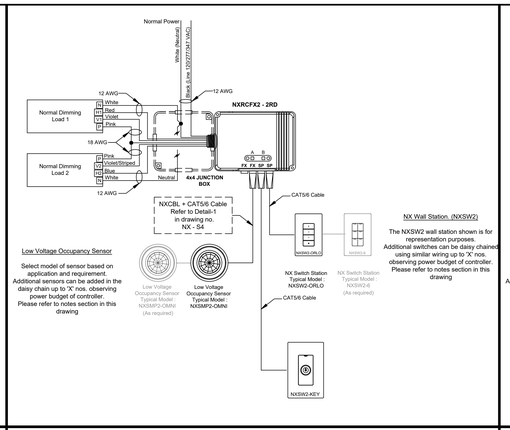
S2. C1 Normal dimming load



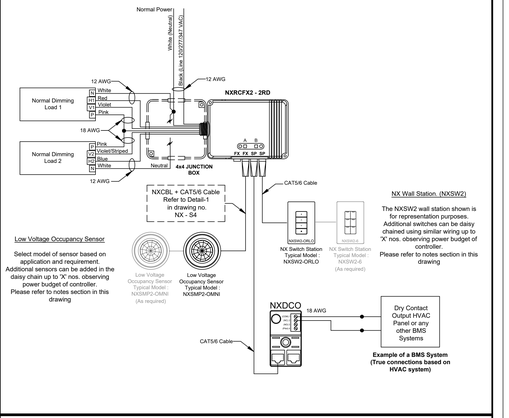
S2. C2 Wireless Networked normal dimming load



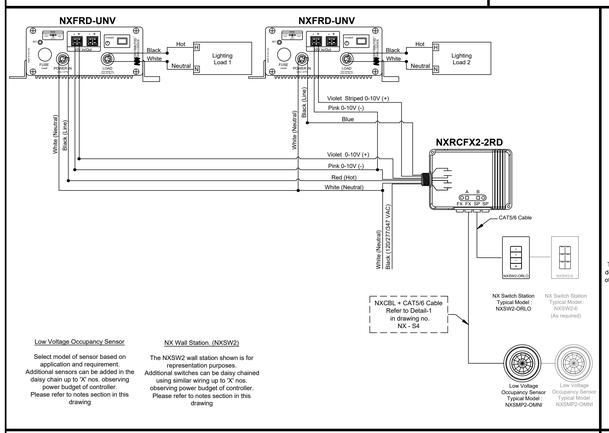
S2. C3 Networked normal dimming load with CCT control



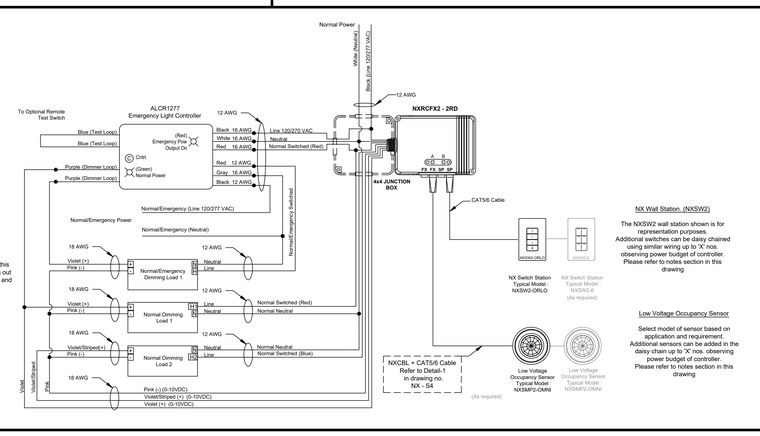
S2. C4 Normal dimming load with key switch



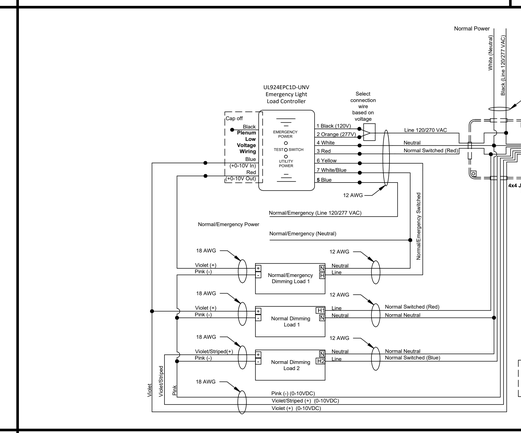
S2. C5 Normal dimming load with integration to HVAC systems



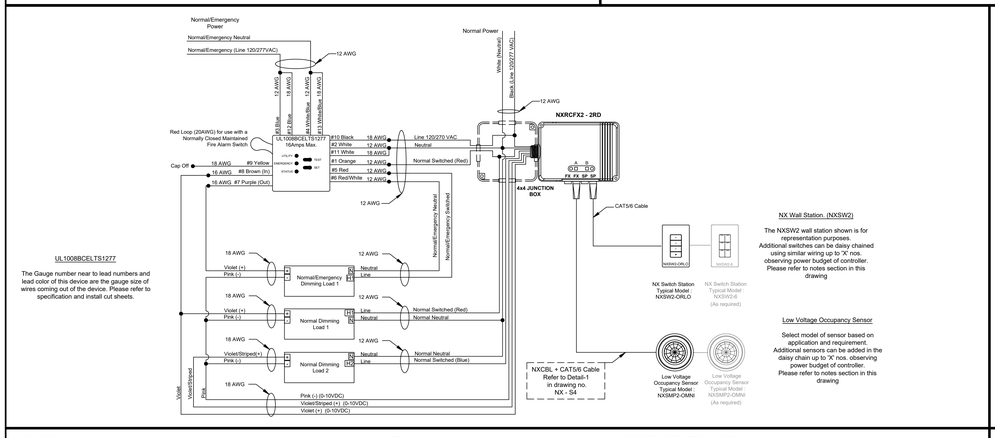
S2. C6 Dual reverse or forward phase load



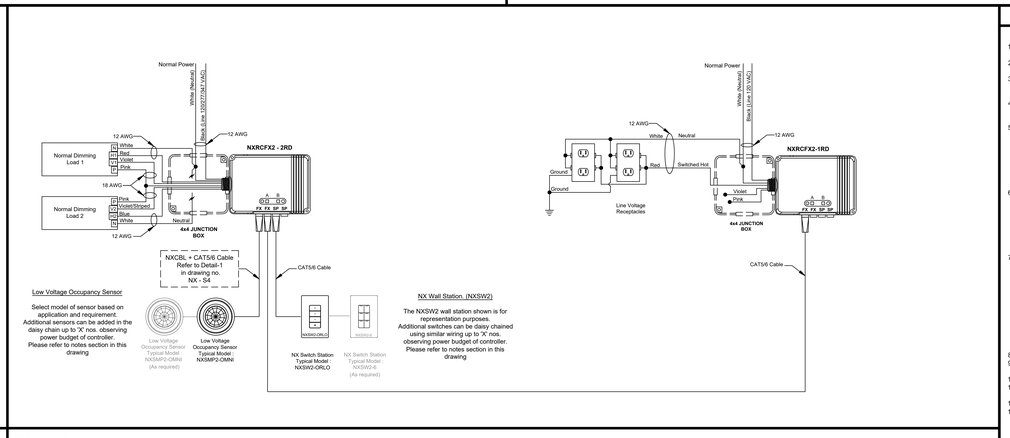
S2. C7 Normal / Emergency dimming load with ALCR1277



S2. C8 Normal / Emergency dimming load with UL924EPC1D-UNV



S2. C9 Normal / Emergency dimming load with UL1008BCELTS1277

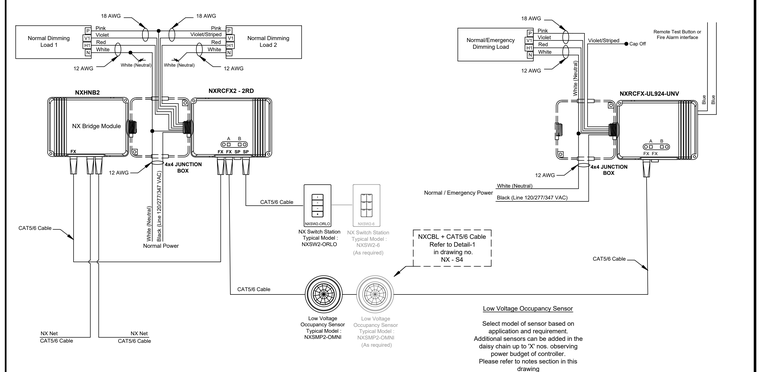


S2. C10 Normal dimming and receptacle load

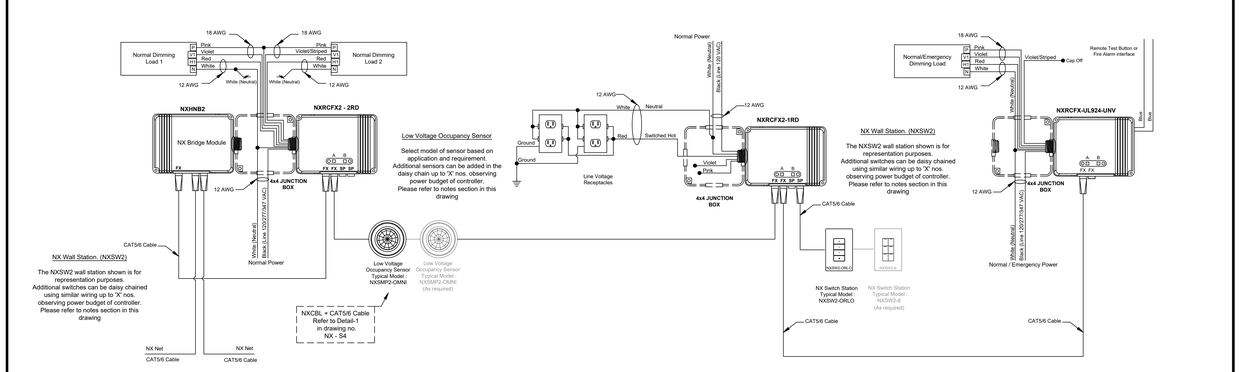
Notes

1. MAXIMUM POWER BUDGET PER ROOM CONTROLLER OR IN-FIXTURE MODULE = 30 PDUs.
2. MAXIMUM POWER BUDGET PER NXP2 PANELS = 140 PDUs.
3. For Power budget of Room controllers and device loads
   3.1. Document link: https://cdn.currentlighting.com/site/installationmanuals/3510B_NXRCFX_Install.pdf
4. NX room controller specification sheet:
   4.1. Document link: https://cdn.currentlighting.com/site/specsheet/3510A_NXRCFX_SPEC.pdf
5. NX wall station control specification sheets:
   5.1. NX Smart Switches
   5.1.1. Document link: https://cdn.currentlighting.com/site/specsheet/3457.1A_NX_Smart_Switch_spec.pdf
   5.2. NX Specialty Switches
   5.2.1. Document link: https://cdn.currentlighting.com/site/specsheet/3457.2A_NX_Specialty_Switches.pdf
   5.3. NX Touch Screen Switch
   5.3.1. Document link: https://cdn.currentlighting.com/site/specsheet/3475A_NXSW_SimpleTouch_Spec%20Sheet.pdf
6. NX dual technology / ultrasonic sensor specification sheets:
   6.1. NXOS-LODT
   6.1.1. Document link: https://cdn.currentlighting.com/site/specsheet/3459A.1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf
   6.2. NXOS-OMNI
   6.2.1. Document link: https://cdn.currentlighting.com/site/specsheet/3459A_NX_Ceiling_Mount_Occupancy_Sensors_Specification_Sheet.pdf
   6.3. NXSMDT-OMNI
   6.3.1. Document link: https://cdn.currentlighting.com/site/specsheet/NXSMDT-OMNI_SPEC_SHEET.pdf
7. NXSMP2 indoor/outdoor sensors, please select appropriate sensor specification sheet.
   7.1. NXSMP2-HMO
   7.1.1. Document link: https://cdn.currentlighting.com/site/specsheet/3602A-NXSMP2-HMO-Lighting-Controls-PIR-High-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf
   7.2. NXSMP2-LMO
   7.2.1. Document link: https://cdn.currentlighting.com/site/specsheet/3603A-NXSMP2-LMO-PIR-Low-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf
   7.3. NXSMP2-LMI
   7.3.1. Document link: https://cdn.currentlighting.com/site/specsheet/3604A-NXSMP2-LMI-PIR-Low-Mount-Indoor-Sensor-Module-Spec-Sheet.pdf
   7.4. NXSMP2-OMNI
   7.4.1. Document link: https://cdn.currentlighting.com/site/specsheet/3601A-NXSMP2-OMNI-Wireless-Lighting-Controls-PIR-Omni-Indoor-Sensor-Module-Spec-Sheet.pdf
8. NX Brochure
9. Document link: https://cdn.currentlighting.com/site/brochure/NX_brochure.pdf
10. NX Wireless Guide
11. Document Link: https://cdn.currentlighting.com/site/brochure/DT149-NX-Wireless-Lighting-Controls-Brochure.pdf
12. NXP2 Panel Brochure
13. Document Link: https://cdn.currentlighting.com/site/brochure/NX_Panel_2_Brochure.pdf

NX Devices that Consume Power	
NX Accessory Device Categories	**PBU Used to Power Device**
NX Bridge	-5
NX Switch Station	-2
NX Simple Touch	-15
Analog daylight sensor (photo sensor)	-1
Analog PIR only occupancy sensor	-1
Analog PIR only occupancy sensor with RP option	-2
Analog dual technology and ultrasonic occupancy sensor	-3
Analog dual technology and ultrasonic occupancy sensor with RP option	-4
Digital dual technology ceiling sensor	-7
Digital dual technology and passive infrared wall switch sensors	-5
Digital passive infrared ceiling occupancy and daylight sensors	-3
Single contact closure module input (NXCI)	-1
Single contact closure module output (NXRO or NXDCO)	-3
Digital radio module (NXRM2-H)	-3
Audio video module (NAVM)	-1



S2. C11 Networked normal / emergency dimming load on NX UL924 room controller



S2. C12 Networked normal / emergency dimming load on NX UL924 room controller and receptacle load

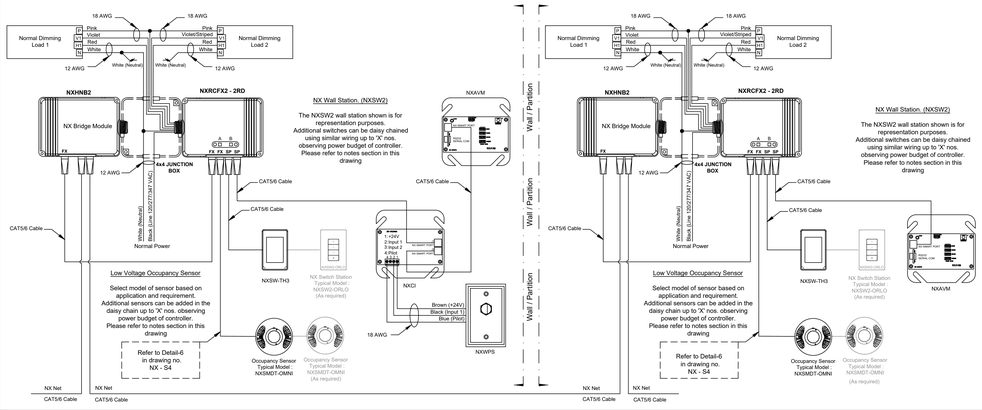
Rev.	Date	By
1	07/20/23	MK.
2	01/10/24	AJ

TITLE: NX TYPICAL CONFIGURATIONS: NXFX CONTROLLERS WITH DUAL LOAD (PART-1)

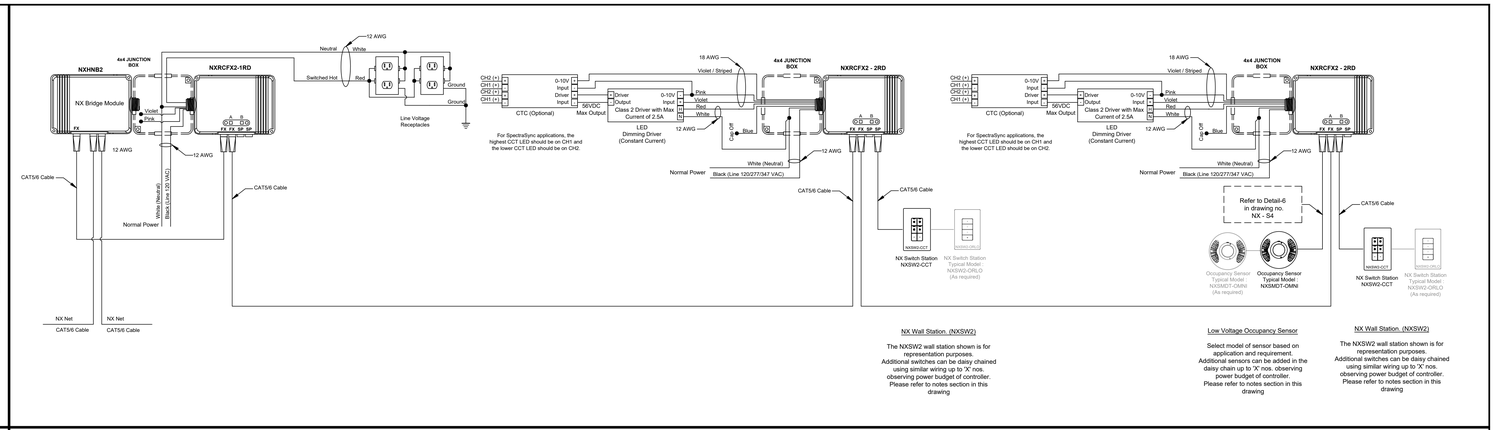
Current

DRAWN BY: SR | DATE: 07/22/2020
REV: 0 | SCALE: NTS
DRAWING / DESIGN NO.: NX - S2

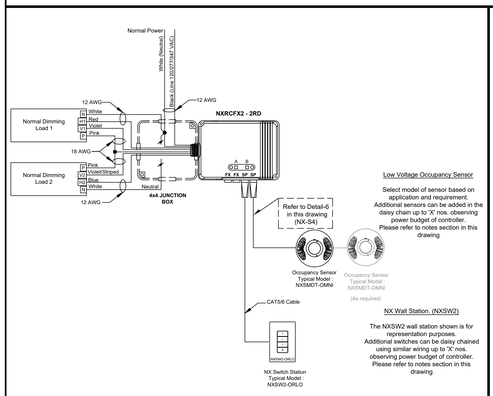
701 Millennium Blvd. Greenville, SC 29607
Main Switchboard: (864) 678-1000 Technical Service: (800) 888-8006



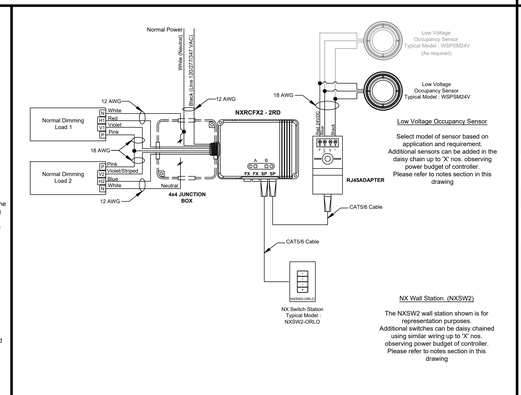
S3. C1 Networked room controllers with partition sensor



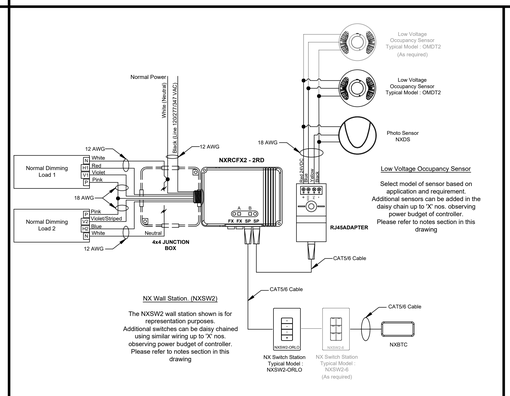
S3. C2 Networked room controllers with CCT control and receptacle load



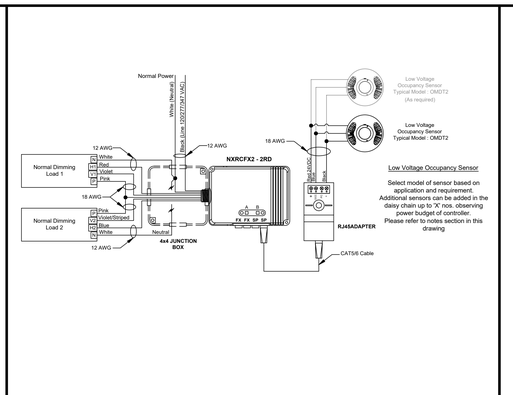
S3. C3 Normal dimming networked load



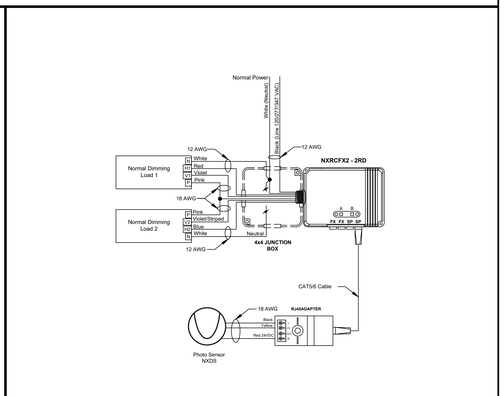
S3. C4 Normal dimming load with Analog Occupancy Sensor



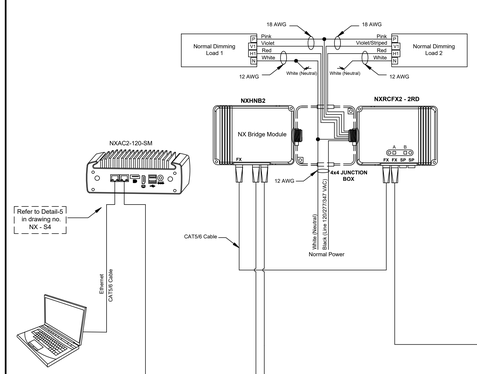
S3. C5 Normal dimming with Analog Sensors and NXBTC



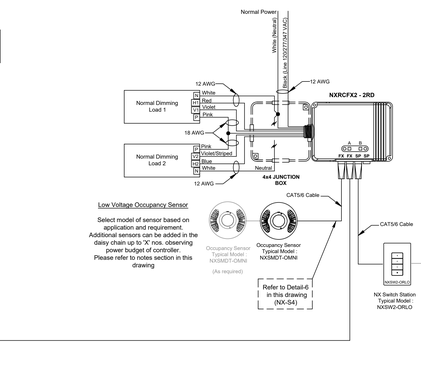
S3. C6 Analog Occupancy sensor controlled normal dimming load



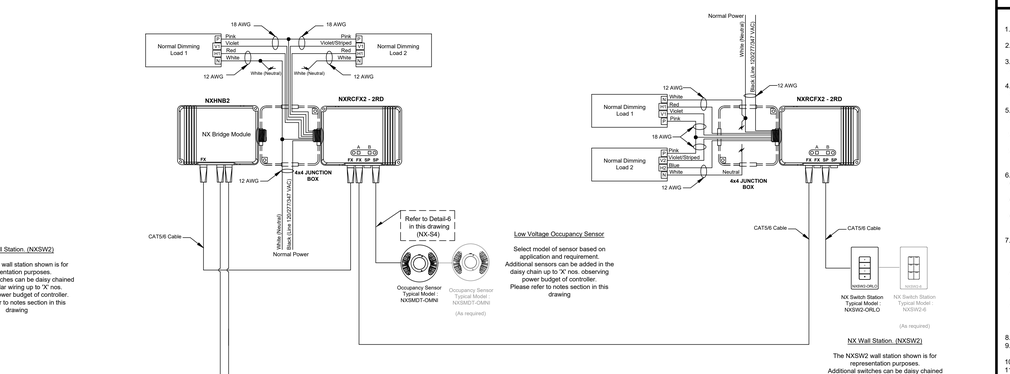
S3. C7 Daylight sensor controlled normal dimming load



S3. C8 Networked room controllers with NX area controller



S3. C9 Normal dimming with controlled receptacle



S3. C10 Normal/Emergency dimming load on NX UL924 room controller

Notes

1. MAXIMUM POWER BUDGET PER ROOM CONTROLLER OR IN-FIXTURE MODULE = 30 PDUs.
2. MAXIMUM POWER BUDGET PER NXP2 PANELS = 140 PDUs.
3. For Power budget of Room controllers and device loads
   3.1. Document link: https://cdn.currentlighting.com/site/installationmanuals/3510B_NXRCFX_Install.pdf
4. NX room controller specification sheet:
   4.1. Document link: https://cdn.currentlighting.com/site/specsheet/3510A_NXRCFX_SPEC.pdf
5. NX wall station control specification sheets:
   5.1. NX Smart Switches
   5.1.1. Document link: https://cdn.currentlighting.com/site/specsheet/3457.1A_NX_Smart_Switch_spec.pdf
   5.2. NX Specialty Switches
   5.2.1. Document link: https://cdn.currentlighting.com/site/specsheet/3457.2A_NX_Specialty_Switches.pdf
   5.3. NX Touch Screen Switch
   5.3.1. Document link: https://cdn.currentlighting.com/site/specsheet/3475A_NXSW_SimpleTouch_Spec%20Sheet.pdf
6. NX dual technology / ultrasonic sensor specification sheets:
   6.1. NXOS-LODT
   6.1.1. Document link: https://cdn.currentlighting.com/site/specsheet/3459A.1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf
   6.2. NXOS-OMNI
   6.2.1. Document link: https://cdn.currentlighting.com/site/specsheet//3459A_NX_Ceiling_Mount_Occupancy_Sensors_Specification_Sheet.pdf
   6.3. NXSMDT-OMNI
   6.3.1. Document link: https://cdn.currentlighting.com/site/specsheet//NXSMDT-OMNI_SPEC_SHEET.pdf
7. NXSMP2 indoor/outdoor sensors, please select appropriate sensor specification sheet.
   7.1. NXSMP2-HMO
   7.1.1. Document link: https://cdn.currentlighting.com/site/specsheet/3602A-NXSMP2-HMO-Lighting-Controls-PIR-High-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf
   7.2. NXSMP2-LMO
   7.2.1. Document link: https://cdn.currentlighting.com/site/specsheet/3603A-NXSMP2-LMO-PIR-Low-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf
   7.3. NXSMP2-LMI
   7.3.1. Document link: https://cdn.currentlighting.com/site/specsheet/3604A-NXSMP2-LMI-PIR-Low-Mount-Indoor-Sensor-Module-Spec-Sheet.pdf
   7.4. NXSMP2-OMNI
   7.4.1. Document link: https://cdn.currentlighting.com/site/specsheet/3601A-NXSMP2-OMNI-Wireless-Lighting-Controls-PIR-Omni-Indoor-Sensor-Module-Spec-Sheet.pdf
8. NX Brochure
9. Document link: https://cdn.currentlighting.com/site/brochure/NX_brochure.pdf
10. NX Wireless Guide
11. Document Link: https://cdn.currentlighting.com/site/brochure/DT149-NX-Wireless-Lighting-Controls-Brochure.pdf
12. NXP2 Panel Brochure
13. Document Link: https://cdn.currentlighting.com/site/brochure/NX_Panel_2_Brochure.pdf

NX Devices that Consume Power	
NX Accessory Device Categories	**PBU Used to Power Device**
NX Bridge	-5
NX Switch Station	-2
NX Simple Touch	-15
Analog daylight sensor (photo sensor)	-1
Analog PIR only occupancy sensor	-1
Analog PIR only occupancy sensor with RP option	-2
Analog dual technology and ultrasonic occupancy sensor	-3
Analog dual technology and ultrasonic occupancy sensor with RP option	-4
Digital dual technology ceiling sensor	-7
Digital dual technology and passive infrared wall switch sensors	-5
Digital passive infrared ceiling occupancy and daylight sensors	-3
Single contact closure module input (NXCI)	-1
Single contact closure module output (NXRO or NXDCO)	-3
Digital radio module (NXRM2-HI)	-3
Audio video module (NAVM)	-1

Rev.	Date	By
1	07/20/23	MK.
2	01/10/24	AJ

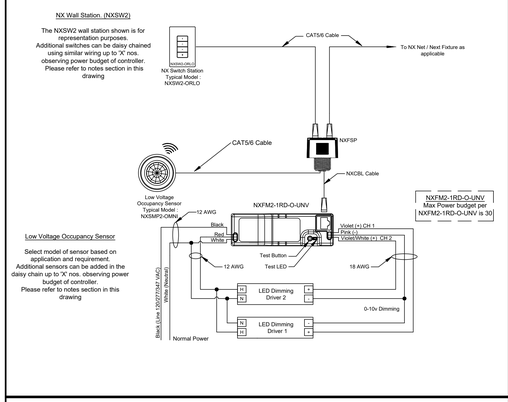
TITLE: NX TYPICAL CONFIGURATIONS: NXFX CONTROLLERS WITH DUAL LOAD (PART-2)

Current

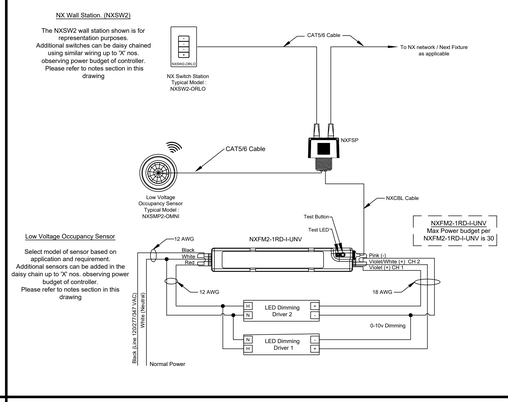
701 Millennium Blvd. Greenville, SC 29607
Main Switchboard: (864) 678-1000 Technical Service: (800) 888-8006

DRAWN BY: SR | DATE: 07/23/2020 | REV: 0 | SCALE: NTS

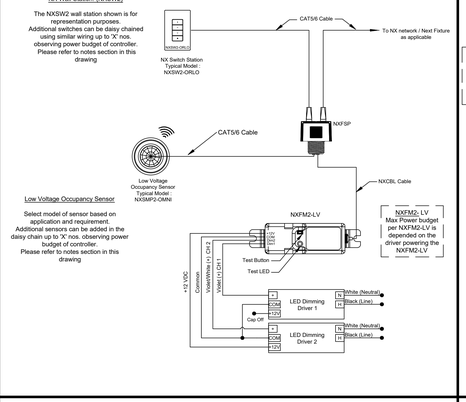
DRAWING / DESIGN NO.: NX - S3



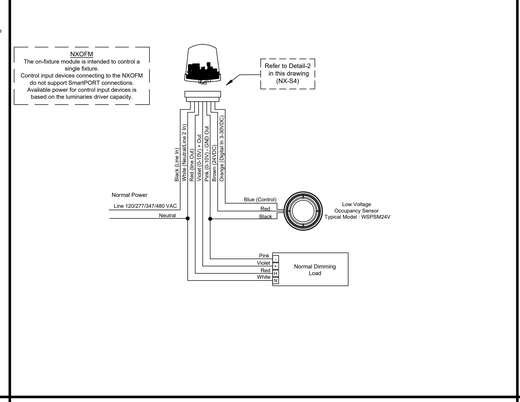
S4. C1 NX fixture module (Offset) with dual drivers-Wireless



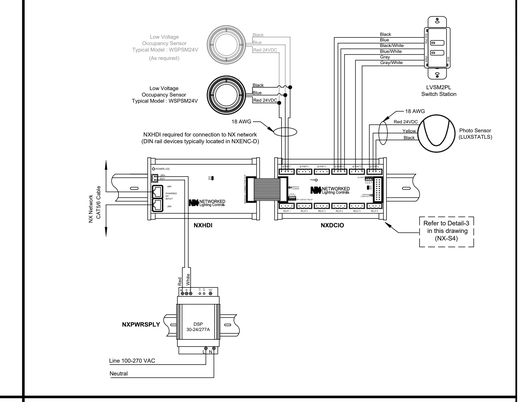
S4. C2 NX fixture module (Inline) with dual drivers-Wireless



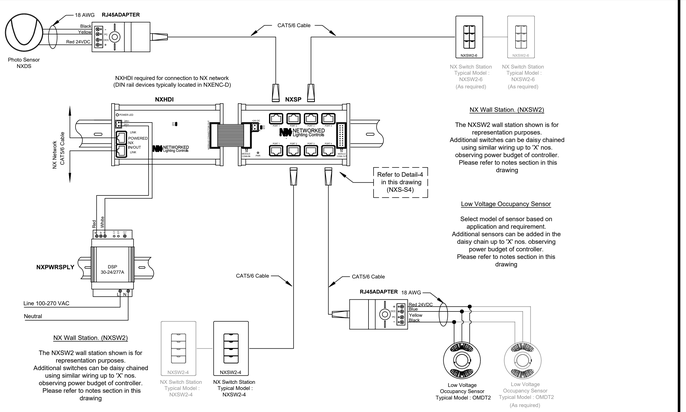
S4. C3 NX fixture module (Low Voltage) with dual drivers-Wireless



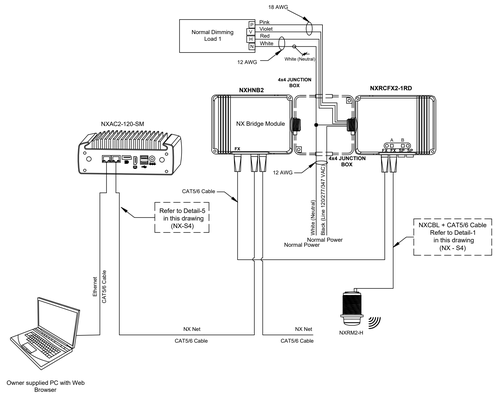
S4. C4 NX on-fixture module (7 Pin)



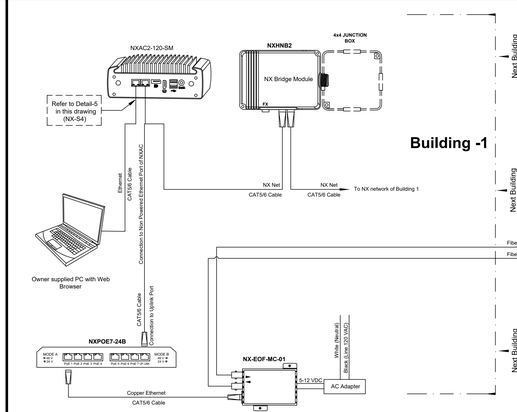
S4. C5 NXDCIO with NXHDI



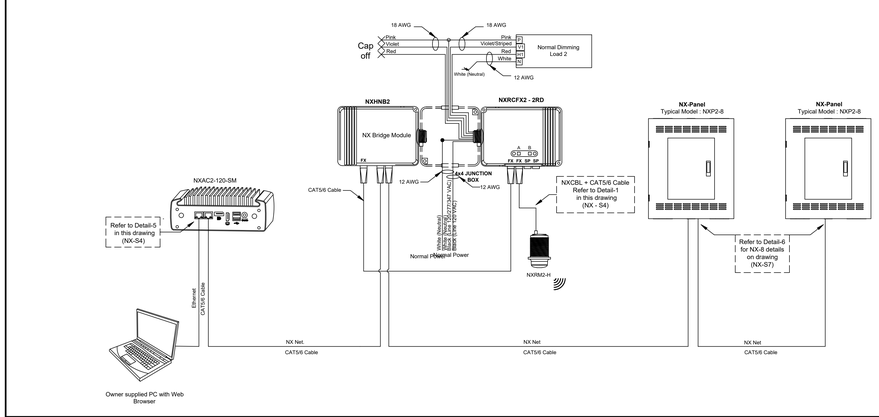
S4. C6 NXSP with NXHDI



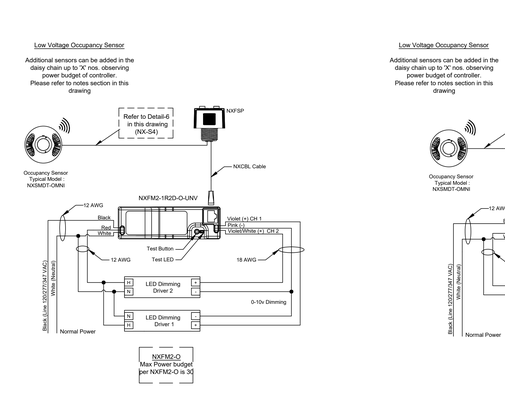
S4. C7 Hybrid Networked controller connected to NX area controller

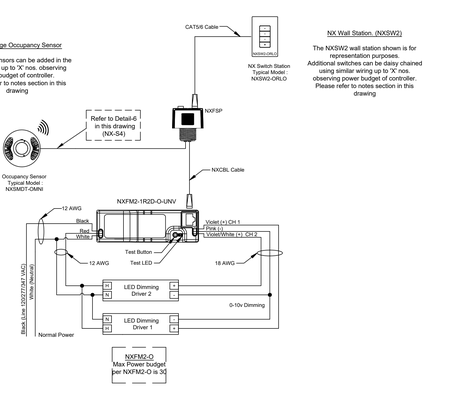


S4. C8 Network of NX devices between two separate building units via fiber cable and media converter



S4. C9 Hybrid network of NX devices with NX area controller and panels



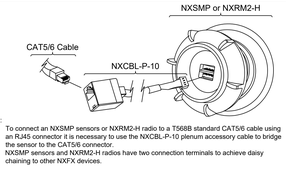


Notes

1. MAXIMUM POWER BUDGET PER ROOM CONTROLLER OR IN-FIXTURE MODULE = 30 PDUs.
2. MAXIMUM POWER BUDGET PER NXP2 PANELS = 140 PDUs.
3. For Power budget of Room controllers and device loads
   3.1. Document link: https://cdn.currentlighting.com/isle/installationmanuals/3510B_NXRCFX_Install.pdf
4. NX room controller specification sheet:
   4.1. Document link: https://cdn.currentlighting.com/site/specsheet/3510A_NXRCFX_SPEC.pdf
5. NX wall station control specification sheets:
   5.1. NX Smart Switches
   5.1.1. Document link: https://cdn.currentlighting.com/site/specsheet/3457.1A_NX_Smart_Switch_spec.pdf
   5.2. NX Specialty Switches
   5.2.1. Document link: https://cdn.currentlighting.com/site/specsheet/3457.2A_NX_Specialty_Switches.pdf
   5.3. NX Touch Screen Switch
   5.3.1. Document link: https://cdn.currentlighting.com/site/specsheet/3475A_NXSW_SimpleTouch_Spec%20Sheet.pdf
6. NX dual technology / ultrasonic sensor specification sheets:
   6.1. NXOS-LOOT
   6.1.1. Document link: https://cdn.currentlighting.com/site/specsheet/3459A.1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf
   6.2. NXOS-OMNI
   6.2.1. Document link: https://cdn.currentlighting.com/site/specsheet//3459A_NX_Ceiling_Mount_Occupancy_Sensors_Specification_Sheet.pdf
   6.3. NXSMDT-OMNI
   6.3.1. Document link: https://cdn.currentlighting.com/site/specsheet//NXSMDT-OMNI_SPEC_SHEET.pdf
7. NXSMP2 indoor/outdoor sensors, please select appropriate sensor specification sheet.
   7.1. NXSMP2-HMO
   7.1.1. Document link: https://cdn.currentlighting.com/site/specsheet/3602A-NXSMP2-HMO-Lighting-Controls-PIR-High-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf
   7.2. NXSMP2-LMO
   7.2.1. Document link: https://cdn.currentlighting.com/site/specsheet/3603A-NXSMP2-LMO-PIR-Low-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf
   7.3. NXSMP2-LMI
   7.3.1. Document link: https://cdn.currentlighting.com/site/specsheet/3604A-NXSMP2-LMI-PIR-Low-Mount-Indoor-Sensor-Module-Spec-Sheet.pdf
   7.4. NXSMP2-OMNI
   7.4.1. Document link: https://cdn.currentlighting.com/site/specsheet/3601A-NXSMP2-OMNI-Wireless-Lighting-Controls-PIR-Omni-Indoor-Sensor-Module-Spec-Sheet.pdf
8. NX Brochure
9. Document link: https://cdn.currentlighting.com/site/brochure/NX_brochure.pdf
10. NX Wireless Guide
11. Document Link: https://cdn.currentlighting.com/site/brochure/DT149-NX-Wireless-Lighting-Controls-Brochure.pdf
12. NXP2 Panel Brochure
13. Document Link: https://cdn.currentlighting.com/site/brochure/NX_Panel_2_Brochure.pdf

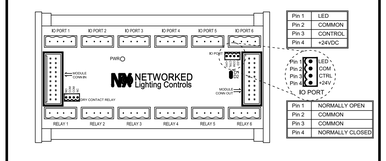
Details

Detail-1 : NXRM2-H/NXSMP to CAT5/6 cable

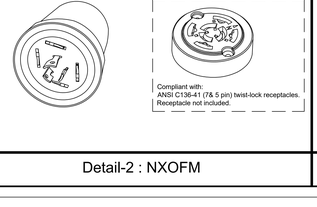


Note:
1. To connect an NXSMP sensors or NXRM2-H radio to a T568B standard CAT5/6 cable using an RJ45 connector it is necessary to use the NXCBL-P-10 plenum accessory cable to bridge the sensor to the CAT5/6 connector.
2. NXSMP sensors and NXRM2-H radios have two connection terminals to achieve daisy chaining to other NXFX devices.

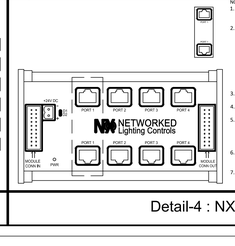
Detail-3 : NXDCIO



Detail-2 : NXOFM

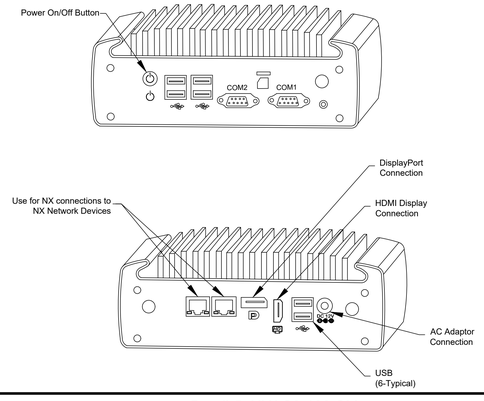


Detail-4 : NXSP

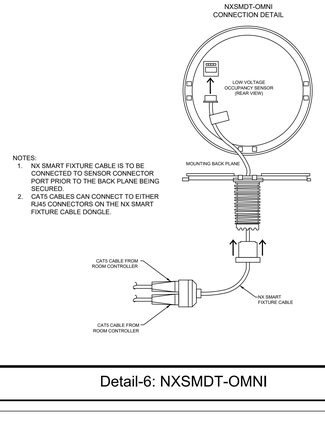


NOTES:
1. Four (4) ports total, each with two (2) RJ45 connectors. Upper and lower RJ45 port connectors are internally connected in parallel
2. Maximum power budget per SmartPORT module = 32 Loads
   Switch station = 1 Load
   PIR only Occupancy sensor = 1 Load
   PIR only Occupancy sensor with RP option = 2 Loads
   Dual Technology and Ultrasonic Occupancy sensor = 3 Loads
   Dual Technology and Ultrasonic Occupancy sensor with RP option = 4 Loads
   Daylight Sensor (photocell) = 1 Load
3. The entire power budget can be used on one (1) port or distributed across all four (4) ports
4. Only one (1) Daylight Sensor is supported per port, four (4) maximum per SmartPORT Module
5. Multiple Occupancy Sensors can be connected to a single port, but all will be programmed into a single Zone. The SmartPORT Module supports a maximum of four (4) Occupancy Zones total regardless of the number of Occupancy Sensors connected.
6. A maximum of eight (8) Smart Switches can be connected to each port (32 maximum per module) and my share a port with a Daylight Sensor or Occupancy Sensor(s)
7. NXPWRSPLY power supply is required for each location if more than one (1) SmartPORT module total is connected to the NX network wire

Detail-5: NXAC2-120-SM



Detail-6: NXSMDT-OMNI



NOTES:
1. NX SMART FIXTURE CABLE IS TO BE CONNECTED TO SENSOR CONNECTOR PORT PRIOR TO THE BACK PLANE BEING SECURED.
2. CAT5 CABLES CAN CONNECT TO EITHER RJ45 CONNECTORS ON THE NX SMART FIXTURE CABLE DONGLE.

NX Devices that Consume Power	
NX Accessory Device Categories	**PBU Used to Power Device**
NX Bridge	-5
NX Switch Station	-2
NX Simple Touch	-15
Analog daylight sensor (photo sensor)	-1
Analog PIR only occupancy sensor	-1
Analog PIR only occupancy sensor with RP option	-2
Analog dual technology and ultrasonic occupancy sensor	-3
Analog dual technology and ultrasonic occupancy sensor with RP option	-4
Digital dual technology ceiling sensor	-7
Digital dual technology and passive infrared wall switch sensors	-5
Digital passive infrared ceiling occupancy and daylight sensors	-3
Single contact closure module input (NXCI)	-1
Single contact closure module output (NXRO or NXDCO)	-3
Digital radio module (NXRM2-H)	-3
Audio video module (NAVM)	-1

Rev.	Date	By
1	07/20/23	MK.
2	01/10/24	AJ

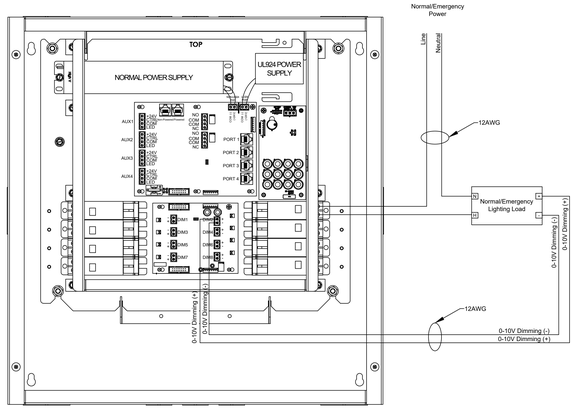
TITLE: NX TYPICAL CONFIGURATIONS: OTHER NX DEVICES

Current

701 Millennium Blvd. Greenville, SC 29607
Main Switchboard: (864) 678-1000 Technical Service: (800) 888-8006

DRAWN BY: SR | DATE: 08/04/2020
REV: 0 | SCALE: NTS
DRAWING / DESIGN NO.: NX - S4

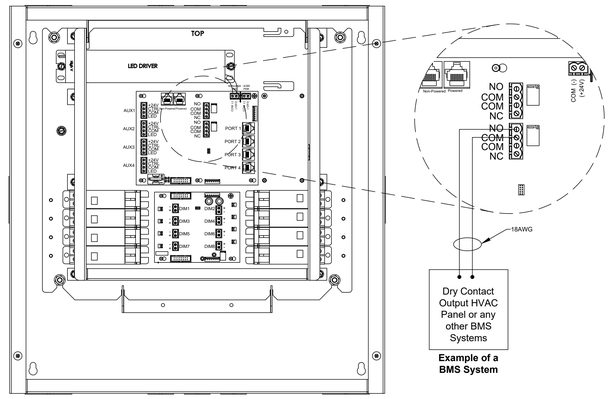
Notes:
1. Power fed to the NXP2 AC power supply is to be normal, unswitched power.
2. The NXP2-ULSHKIT is required to be installed.
3. The NXP2 controlled relays are to be fed Normal/Emergency power.
4. Switching of Normal power to Emergency power is performed upstream of the NXP2 controlled relay.
5. During the loss of normal power to the NXP2 AC power supply, the designated "Emergency" relays will shunt close, removing control until normal power is restored to the AC power supply.
6. During the loss of normal power to the NXP2 AC power supply, the 0-10VDC dimming channels designated as "Emergency" will open causing lighting loads to raise to 100% until normal power is restored to the AC power supply.



NXP2-8

S7. C1 UL924 Kit Switching and 0-10VDC Dimming Connections

Note:
1. (2) SPDT (Normally Open/Normally Closed) dry contact outputs are each rated for 24VDC @ 50mA.
2. Contacts to be used based on design Engineer intent.

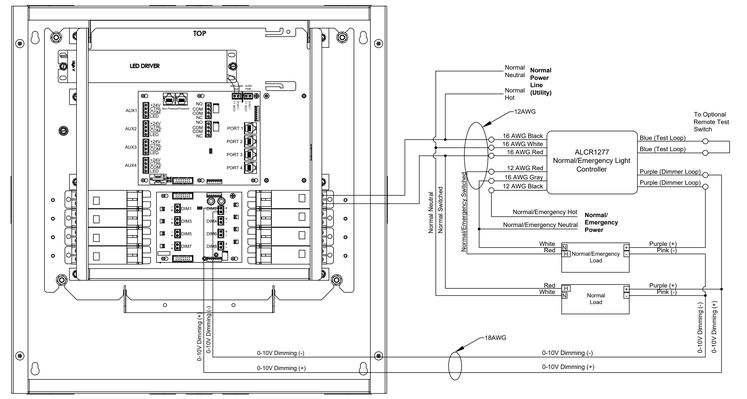


Example of a BMS System

NXP2-8

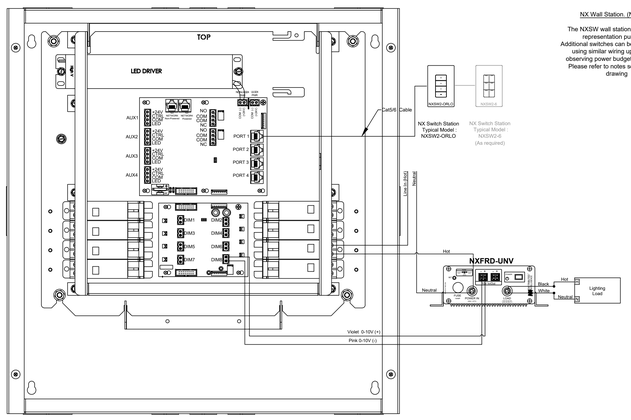
S7. C2 SPDT Dry Contact Outputs

Notes:
1. This representation depicts 0-10V dimming as part of the control scheme.
2. If 0-10V dimming is not required, cap off the purple wires from the ALCR1277.
2.1. Do not tie the two purple wires together
3. Wiring connections to the NXP2 relay or dimming channels are based on design intent.
4. During loss of normal power to the ALCR1277:
4.1. The Normal/Emergency connected fixtures will turn on and stay on until sense normal power is restored.
4.2. The connected 0-10VDC dimmer channels will open, causing light levels to rise up to 100% output until sense normal power is restored.



NXP2-8

S7. C3 ALCR1277 Switching and 0-10VDC Dimming Connections

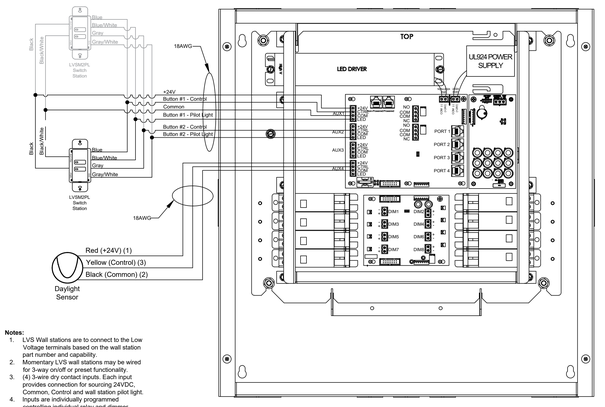


NX Wall Station (NXSW2)

The NXSW wall station shown is for representation purposes. Additional switches can be daisy chained using similar wiring up to 'X' nos. observing power budget of controller. Please refer to notes section in this drawing

NXP2-8

S7. C4 NXFRD and 0-10VDC Dimming Connections

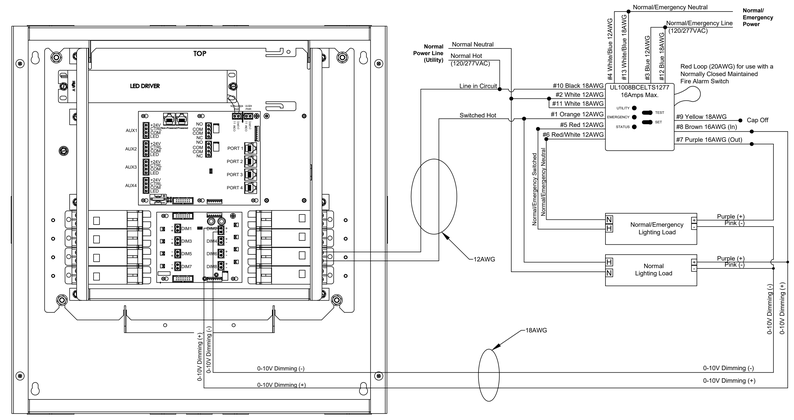


Notes:
1. LVS Wall stations are to connect to the Low Voltage terminals based on the wall station part number and capability.
2. Momentary LVS wall stations may be wired for 3-way on/off or preset functionality.
3. (4) 3-wire dry contact inputs. Each input provides connection for sourcing 24VDC, Common, Control and wall station pilot light.
4. Inputs are individually programmed controlling individual relay and dimmer channels or groups of relays and dimmer channels.

NXP2-8

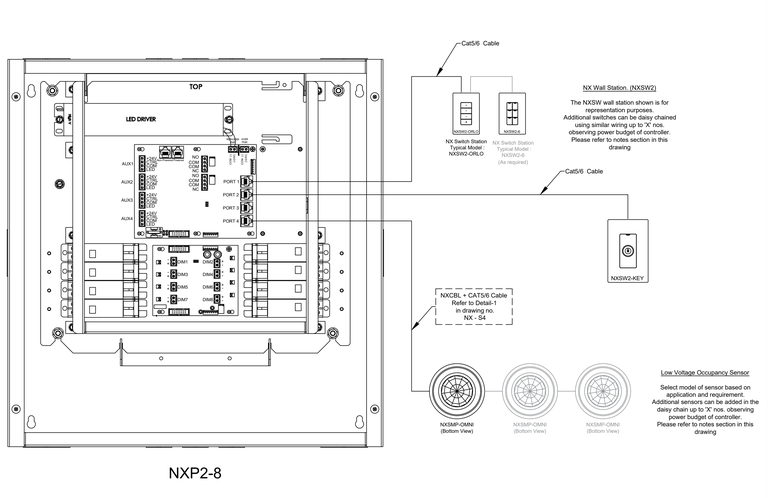
S7. C5 Low Voltage Input Wall Station Connection and Daylight Sensor

Notes:
1. This representation depicts 0-10V dimming as part of the control scheme.
2. If 0-10V dimming is not required, cap off the purple and brown wires from the UL1008BCELTS1277.
2.1. Do not tie the two purple wires together
3. Wiring connections to the NXP2 relay(s) or dimmer channels is based on design intent and confirmed during programming.



NXP2-8

S7. C6 UL1008BCELTS1277 Switching and 0-10VDC Dimming Connections



NX Wall Station (NXSW2)

The NXSW wall station shown is for representation purposes. Additional switches can be daisy chained using similar wiring up to 'X' nos. observing power budget of controller. Please refer to notes section in this drawing

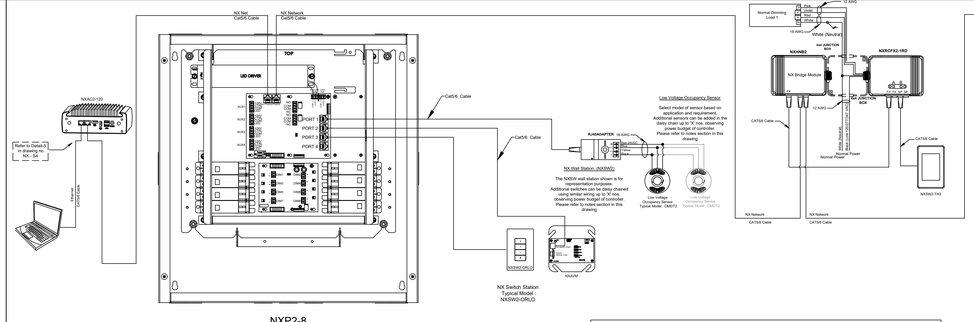
Low Voltage Occupancy Sensor

Select model of sensor based on application and requirement. Additional sensors can be added in the daisy chain up to 'X' nos. observing power budget of controller. Please refer to notes section in this drawing

Notes:
1. The NXP2 panels all come with 4 female RJ45 connectors (FX/SmartPORTs)
2. The NXP2 panel supports connections to Cat5 cables terminated in a T568B configuration male RJ45 connector.
3. These (4) NX FX/SmartPORTs are to be used to connect with optional NX compatible devices to increase functionality.
4. FX/SmartPORT connections are typically in a daisy chain manner to the next optional compatible device.

NXP2-8

S7. C7 FX/SmartPORT Connected Devices



NXP2-8

NX Devices that Consume Power	
NX Accessory Device Categories	**PBU Used to Power Device**
NX Bridge	-5
NX Switch Station	-2
NX Simple Touch	-15
Analog daylight sensor (photo sensor)	-1
Analog PIR only occupancy sensor	-1
Analog PIR only occupancy sensor with RP option	-2
Analog dual technology and ultrasonic occupancy sensor	-3
Analog dual technology and ultrasonic occupancy sensor with RP option	-4
Digital dual technology ceiling sensor	-7
Digital dual technology and passive infrared wall switch sensors	-5
Digital passive infrared ceiling occupancy and daylight sensors	-3
Single contact closure module input (NXCI)	-1
Single contact closure module output (NXRO or NXDCO)	-3
Digital radio module (NXRM2-H)	-3
Audio video module (NAVM)	-1

S7. C8 NX Network Segment with Connected Devices

Rev.	Date	By
1	07/20/23	MK.
2	01/10/24	AJ

TITLE: NX TYPICAL CONFIGURATIONS: OTHER NX DEVICES

Current
701 Millennium Blvd.
Greenville, SC 29607
Main Switchboard: (864) 678-1000
Technical Service: (800) 888-8006

DRAWN BY: SR
DATE: 08/04/2020
REV: 0
SCALE: NTS
DRAWING / DESIGN NO.: NX - S4