What is being announced?
The Bluetooth® Sensor Series featuring Bluetooth enabled, low voltage, fixture mounted Passive Infrared (PIR) occupancy sensors. The BTSMP Sensor Series provides 0-10V dimming control with "From the Ground" programming using the NX Lighting Controls Mobile app.

Features & Benefits

How is this sensor series different from the Bluetooth WASP Sensor Series launched earlier this year?
The new BTSMP Sensor Series expands the Bluetooth sensors portfolio by adding models with smaller form factors that feature integrated Passive Infrared (PIR) lenses for high mount and low mount applications. The BTSMP sensors are low voltage only and require connection to a low voltage power supply (e.g. Dim-to-Off Drivers with Auxiliary Power).

What is the difference between the BTSMP Sensor Series and the NXSMP Sensor Series?
NXSMP sensors are part of the NX Lighting Controls System and support fixture grouping as well as a wide assortment of scheduling functions including time-based, astro-clock, and active/inactive time schedules.

What are the different BTSMP Sensor models?
The BTSMP sensors are available in the following versions:

- High Mount Outdoor Sensor with 360° Lens (BTSMP-HMO)
- High Mount Outdoor Sensor with Aisle Lens (BTSMP-HMO-A)
- Low Mount Outdoor Sensor with 360° Lens (BTSMP-LMO)
- Low Mount Outdoor Sensor with Aisle Lens (BTSMP-LMO-A)
- Low Mount Indoor Sensor with 360° Lens (BTSMP-LMI)
- OMNI Sensor with 360° Lens (BTSMP-OMNI)
- OMNI Outdoor Sensor with 360° Lens (BTSMP-OMNI-O)

What sensing technology do the BTSMP Sensor Series use?
The BTSMP Sensor Series use Passive Infrared (PIR) technology for the detection of motion. This consists of a dual element pyrometer and integrated spherical Fresnel® lens designed specifically for high or low mount applications.

How many timers does the BTSMP sensor have?
The BTSMP Sensors feature single and dual timer motion sensor timers where the dimming level can be set for each timer.

What are the dual timers used for?
The BTSMP Sensors feature a dual timer mode that provides the ability to set two different levels after the space has become unoccupied – perfect for applications where the area needs to be dimmed for a specific time period before dimming to a lower level or turning all the way off.

What is IntelliSET?
IntelliSET technology enables a sensor to have multiple setpoint levels which are activated when the sensor senses occupancy and when the sensor no longer senses occupancy.

Does the BTSMP sensor have a photo sensor for daylighting harvesting?
Yes. All the BTSMP Sensors feature a downward looking photo sensor.

What daylight harvesting modes are supported by the BTSMP Sensors?
The BTSMP Sensors support both indoor and outdoor daylight harvesting applications including full range dimming with auto-configuration (also known as "closed loop"), legacy dimming ("open loop") and dusk to dawn (On/Off) operation. A test mode is also available to verify light levels.

In addition to motion and photo sensor settings, what other settings can be changed?
Additional BTSMP Sensor settings include high/low trim settings, power-up level and ramp rates.

Features & Benefits (Continued)

Can the BTSMP Sensor settings be copied or cloned to another sensor?
Yes. Using the NX Lighting Controls Mobile app, all BTSMP Sensor settings can be saved into device profiles and then cloned to other sensors – eliminating the need to individually program the same settings into multiple sensors.

What is IntelliSCOPE™ and how can I use it?
IntelliSCOPE is a graphical representation of the BTSMP Sensor's occupancy data and status. Viewing the IntelliSCOPE data while range testing will show you when the sensor is detecting occupancy. The graph also shows the occupancy state of the sensor.

Are the BTSMP Sensors IP65 rated?
Yes. Specific versions of the BTSMP Sensors are IP65 rated and support Low Temperature/Watertight/Indoor-Outdoor applications. Operating temperatures for the outdoor rated sensors range from -40°F to 149°F (-40°C to 65°C).

What colors are the BTSMP Sensors available in?
White, Gray and Black. *Note: White will be Made-To-Stock (MTS). Gray and Black versions will be Made-To-Order (MTO).*

Installation & Programming

What are the electrical ratings for the sensor?
Low voltage: 12-32VDC Class 2 (requires a Dim-to-Off Driver with Auxiliary Power).

How much can the sensor sink?
The BTSMP Sensor Series can sink up to 30mA.

Can the BTSMP Sensor Series be used with Dim-to-Off Drivers?
Yes. Drivers must have a 12/24VDC Auxiliary Power supply.

When dimming, what's the lowest voltage the sensor will dim to?
The BTSMP Sensor Series dim all the way to 0V, ensuring that Dim-to-Off Drivers will turn off.

Are these standalone or networked sensors?
The BTSMP sensors are standalone fixture mounted sensors. For networked sensors, use the NXSMP Sensor Series.

How are the BTSMP Sensor Series programmed?
The BTSMP Sensors are programmed using the NX Lighting Controls Mobile app. The app has been updated to support NX programming and all standalone Bluetooth® occupancy sensors. The app features manual sensor control and easy to use slider controls for quick and precise adjustment of timer values, light levels, sensitivity, high/low thresholds and ramp rates.

Can I manually control the lighting using the BTSMP Sensors?
Yes. The BTSMP Sensor Series enable manual raising and lowering of the lighting level of the connected luminaire from the app. Luminaires that feature Dim-to-Off Drivers can be turned On or Off by raising/lowering the light level above or below the driver's On/Off set point.

Some installations do not allow wireless communications after a device has been programmed. Can the Bluetooth radio be turned off after a BTSMP sensor has been programmed?
No. Due to the small form factor and non-removable lens, the Bluetooth radio in the BTSMP Sensors cannot be turned off. For installations that require this functionality, use the Bluetooth WASP Sensor Series that features this functionality.

Can a pin code be set to prevent unauthorized users from making changes?
Yes. During programming of the BTSMP Sensors, a security pin code can be created, which will be required to make future changes.

Installation & Programming (Continued)

Does the BTSMP sensor have a test mode that will simulate the programmed settings?
Yes. When placed in test mode, the BTSMP Sensors will function as programmed using short timers.

Can the BTSMP sensor be reset to factory defaults?
Yes. The BTSMP Sensors can be reset to factory defaults using the NX Lighting Controls Mobile app.

What sensor mounting options are available?
All BTSMP Sensors feature a threaded nipple for surface mounting. See specification sheets for the various knockout sizes.

Does the sensor support high and low mount applications?
Yes. The BTSMP Sensors are available in high mount and low mount models with 360° and aisle coverage patterns – making the sensors the perfect solution for warehouses, manufacturing facilities, gymnasiums, cold storage, and area/site lighting applications.

What are the BTSMP Sensors detection ranges?
Sensor detection range depends on the specific BTSMP Sensor model. Please refer to the BTSMP Sensor specification sheets for detailed range coverage information.

Availability/How to Order

When will the new BTSMP Sensor Series be available?
The BTSMP Sensor Series will be available in December of 2020.

How do you order BTSMP Sensors?
See product specification sheets for ordering information.