WATTSTOPPER® PLUS

with Encelium Technology

PRODUCT GUIDE

#LegrandImprovingLives

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Easy to Get **More Done**

Wattstopper PLUS combines the latest in hardware design, including a new switch aesthetic with powerful software. Our advanced Polaris Monitor software is intuitive for use with phones and tablets. Wattstopper PLUS features a new Liteserver option, wireless/wired/hybrid indoor and exterior solutions updated networking and configuration capabilities and added LMDS support.

Polaris provides insights into system usage and data, enabling quick response to occupant needs while maximizing energy savings. Backed by top-tier support, Wattstopper PLUS ensures fast, efficient configuration in your next project.

Wattstopper PLUS Solutions

04
Introduction

05
Switches and Touchscreens

06
Sensors

07
Load Controls

08
Relay Panels

09
Integrated Fixture Controls

10
Network Components

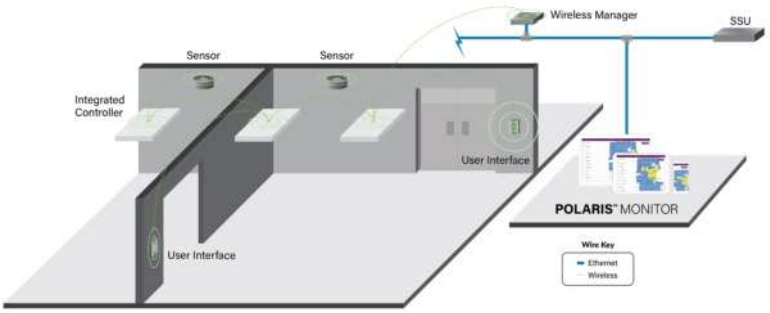
11
Accessories and Cables

12
Configuration Tools

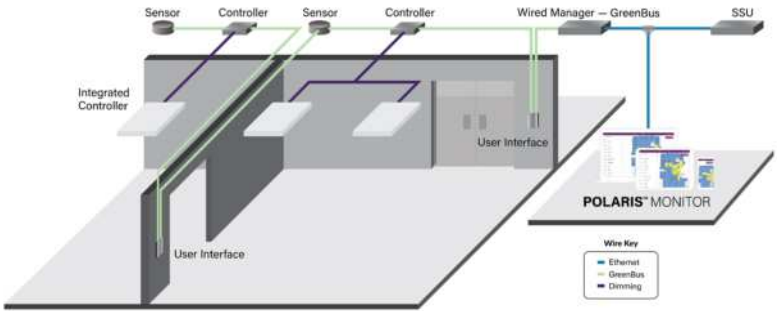
Choose the System that **Meets Your Needs**

One of the great strengths of Wattstopper PLUS is that it lets you choose the system design that works best for your specific project

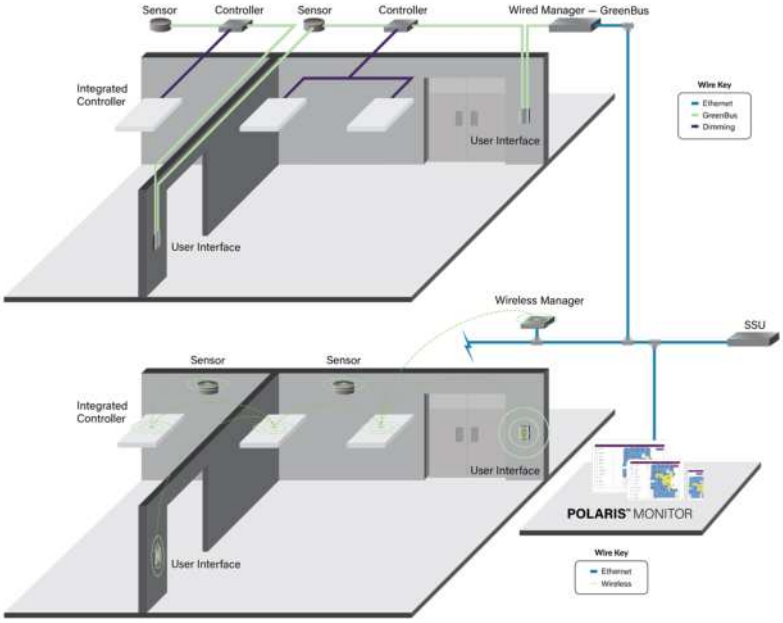
Wireless System: Smart and Simple



Wired System: Flexible and Reliable



Hybrid System: Freedom of Choice



Switches and Touchscreens

PRODUCT COLOR KEY: W - White, I - Ivory, A - Almond, G - Grey, BK - Black, BR - Brown, R - Red

	PART NUMBER	DESCRIPTION	ZONE CONTROL	COLOR
PERSONAL CONTROLS				
	EN-SW-11-GB2 EN-SW-11-ZB	PLUS Switch, 1 Button 1 Rocker	Single-Zone Dimming	W, I, A, G, BK, BR, R
	EN-SW-20-GB2 EN-SW-20-ZB	PLUS Switch, 2 Button	Single or Dual-Zone On/Off	W, I, A, G, BK, BR, R
	EN-SW-22-GB2 EN-SW-22-ZB	PLUS Switch, 2 Button 2 Rocker	Dual-Zone Dimming	W, I, A, G, BK, BR, R
	EN-SW-41-GB2 EN-SW-41-ZB	PLUS Switch, 4 Button, 1 Rocker	Multi-zone Scene Control	W, I, A, G, BK, BR, R
	EN-SW-50-GB2 EN-SW-50-ZB	PLUS Switch, 5 Button	Multi-zone Load Control	W, I, A, G, BK, BR, R
	EN-DW-11-GB2 EN-DW-11-ZB	PLUS Switch and Sensor, 1 Button 1 Rocker	Single-Zone Dimming	W, I, A, G, BK, BR, R
	EN-DW-20-GB2 EN-DW-20-ZB	PLUS Switch and Sensor, 2 Button	Single or Dual-Zone On/Off	W, I, A, G, BK, BR, R
	RTI-KX4	4” In-Wall LCD Touchscreen Keypad	Multi-zone Touchscreen	W
	RTI-IST-10	10” In-Wall Touch panel Keypad	Multi-zone Touchscreen	W
	EN-GS-150	PLUS 5.7” Graphic Switch with Poe	Multi-zone Touchscreen	W, BK

* “-GB2” indicates wired and “-ZB” indicates wireless models.

All switches are compatible w/Radiant or standard decorator faceplates

See product cutsheets for detailed ordering information.

Sensors

	PART NUMBER	DESCRIPTION	SENSING RANGE	COVERAGE	MOUNTING HEIGHT	COLOR
WIRED OCCUPANCY & PHOTOCELL						
	EN-SCPPH-0450-GB2	Ceiling Mount GreenBus PIR Occupancy/Photocell Sensor	24ft	Minor**: 450 ft²	8-10ft	W
	EN-SCPPH-1500-GB2		40ft	Major**: 360° x 1,500 ft²	8-10ft	
	EN-SCPPH-HB-GB2		60 ft	Major: 360° x 2,800 ft²	20-40ft	
WIRELESS OCCUPANCY & PHOTOCELL						
	EN-SCPPH-0450-ZB*	Wireless Ceiling Mount PIR Occupancy/Photocell Sensor	24ft	Minor: 450 ft²	8-10 ft	W
	EN-SCPPH-1500-ZB*		40ft	Major: 360° x 1,500 ft²	8-10 ft	
	EN-SCPPH-HB-ZB*		60 ft	Major: 360° x 2,800 ft²	20-40 ft	

	PART NUMBER	DESCRIPTION	COVERAGE	LIGHT LEVEL RANGE	COLOR
PHOTOSENSOR					
	PHS-700	Indoor Photosensor	180°	0-100fc	W
	PHS-800	Outdoor Photosensor	180°	0-250fc	
	PHS-900	Skylight Photosensor	180°	0-2,000fc	
SENSOR INTERFACE					
	EN-SIM-AI/SPS-GB2-BK	Sensor Interface Module (SIM) for integrating Stand-Alone Sensors to GreenBus	N/A	0-2,000fc	BK

**Wireless Range: Zigbee, up to 100 ft*

***Major motion, e.g. walking*
Minor motion, e.g. hand motions, desktop

Load Controls

	PART NUMBER	DESCRIPTION	INPUT VOLTAGE	LOAD RATING	DIMMING	COMMUNICATION
WIRED ROOM CONTROLLERS						
	EN-ALC-1R10V-GB2	Area Lighting Controller	24VAC	20A	0-10V	Wired-GreenBus
	EN-ILCM-1R10V-GB2	Luminaire Control Module	24VAC	300W	0-10V	GreenBus
	EN-PCDM-GB2	Phase-Cut Dimming Module	120–277VAC	3.8A	Forward/Reverse	GreenBus
WIRED SPECIALITY CONTROLLER						
	EN-DB-1L-GB2	DALI Bridge Up to 64 DALI drivers	24VDC via external power supply	N/A	DALI-compliant LED Drivers	Wired-GreenBus
WIRELESS ROOM CONTROLLERS						
	EN-ALC-ZB-BK*	Wireless Area Lighting Controller	120–347VAC	20A	0-10V	Wireless + GreenBus
	EN-WCM2-ZB*	Wireless Control Module	120–347VAC	300W	0-10V	Wireless + GreenBus
EMERGENCY CONTROLS						
	ELCU	Emergency Lighting Control Unit	120–347VAC	Varies	0-10V	Dry Contact
	ESRN	Emergency Lighting Relay	120–277VAC	Override	0-10V	Dry Contact

**Wireless Range: Zigbee, up to 100 ft*

Relay Panels

	PART NUMBER	DESCRIPTION	OPERATING VOLTAGE	RELAYS	FUNCTION
PANEL SOLUTIONS					
	EN-RPAxR120-347V x = Number of relays	Relay panel with On/Off Control Relays Options: 0, 8, 12, 18, 24	120–347VAC	Up to 24	Houses the Relay Panel Module and specified quantity of relays
	EN-RPM-24C-GB2	Relay Panel Module	24VAC	Up to 24	Connects to control system via GB2 and provides logic to connected relays
	EN-CP24-10V EN-CP12-10V	0-10V Dimming Panels Options: 12, 24	120–347VAC	12 or 24	Contains 0-10V controllers in single enclosure with GB2 connectivity to system
	EN-CP-CKIT	Conversion Kit, 0-10V Class 1 to Class 2 Subcomponent for EN-CP24-10V	N/A	N/A	Allows converting up to 12 EN-CP circuits from Class 1 to Class 2.
	EN-CP-HBAR	High Voltage Barrier Subcomponent for EN-CP24-10V	N/A	N/A	Mechanically separates EN-CP circuits for mixed-supply applications
	ECU-DALI-ENC	The DALI Panel	24VAC	N/A	Contains all components necessary for DALI control from a GB2 system

Integrated Fixture Controls

	PART NUMBER	DESCRIPTION	TECHNOLOGY	DIMMING	INPUT VOLTAGE
ROOM CONTROLLERS					
	ZBHA-CLM-DIM	Connected Lighting Module	Load Control	0-10V, DALI	12–24VAC
	EN-CLM-PIR-DD-ZB	SensiLUM wireless integrated sensor	Load Control, Occupancy, Daylight	0-10V, DALI	12–24VAC
	FSP-611-x	Fixture Sensor Photocell	Fixture Control, Occupancy, Daylight, Exterior and High-Bay Rated	0-10V	120/230/277VAC
	FSP-621-x	Fixture Sensor Photocell	Fixture Control, Occupancy, Daylight, Exterior and High-Bay Rated	0-10V	100–347VAC Single Phase; 208/230/480VAC Phase-to-Phase

Network Components

	PART NUMBER	DESCRIPTION	KEY FEATURES	CAPACITY
COMPONENTS				
	EN-M-GB2-X	Wired Area GreenBus Manager	Provides data and power connectivity to wired GreenBus devices like sensors and room controllers. Connects to SSU for system-level functionality	800 total devices, 100 devices per channel
	EN-WM-ZB-X	Wireless Area Manager	Provides data connectivity to wireless devices like sensors and room controllers. Connects to SSU for system-level functionality	100 total devices
	EN-SSU-LITE	System Support Unit, LITE	Manages Area Managers and connected devices for small-to-mid sized systems. Hosts Polaris software for monitoring and configuration of the control system	2,000 nodes
	EN-SSU-X	System Support Unit, X	Manages Area Managers and connected devices for mid-to-large sized systems. Hosts Polaris software for monitoring and configuration of the control system	30,000 nodes
	TEG-S16G	Network Switch	Allows for up to 16 Ethernet connections for system data transmission	16 ports
	TPE-TG160G	Network Switch with PoE	Allows for up to 16 Ethernet connections for system data and power transmission	16 PoE ports
	TPE-113GI	PoE Injector	Provides a single PoE connection using a separate DC power supply and an unpowered Ethernet input	1 PoE port

Accessories & Cables

	PART NUMBER	DESCRIPTION	FUNCTION
INTEGRATION DEVICES			
	EN-DCII-GB2	Dry contact interface	Terminates two-conductor wiring to GreenBus connector
CABLES			
	EN-CON-50-GB2	GreenBus Connectors, 50pcs Bulk	Allows for wiring GreenBus devices together
	EN-BC-1000FT-GB2	Greenbus Cable, 1,000ft Roll 8 AWG, 2-Conductor, Non-Polarized	Allows for wiring GreenBus devices together
	EN-PTC-20FT-GB2	Greenbus Cable, 20ft Roll, Pre-Terminated	Expedites installation for devices spanning less than 20ft apart
	C2G56041	Ethernet Network Cable, 1,000ft Roll	Allows for connecting IP devices together such as Area Managers and System Support Units
NETWORK COMPONENTS			
	EN-WTT-ZB	Wireless Test Tool	Sends wireless test commands to validate wiring and connectivity
	GreenBus Test Tool	GreenBus Test Tool	Verifies GreenBus communication signals and sets internal relays to a “closed” state prior to system commissioning

Configuration Tools

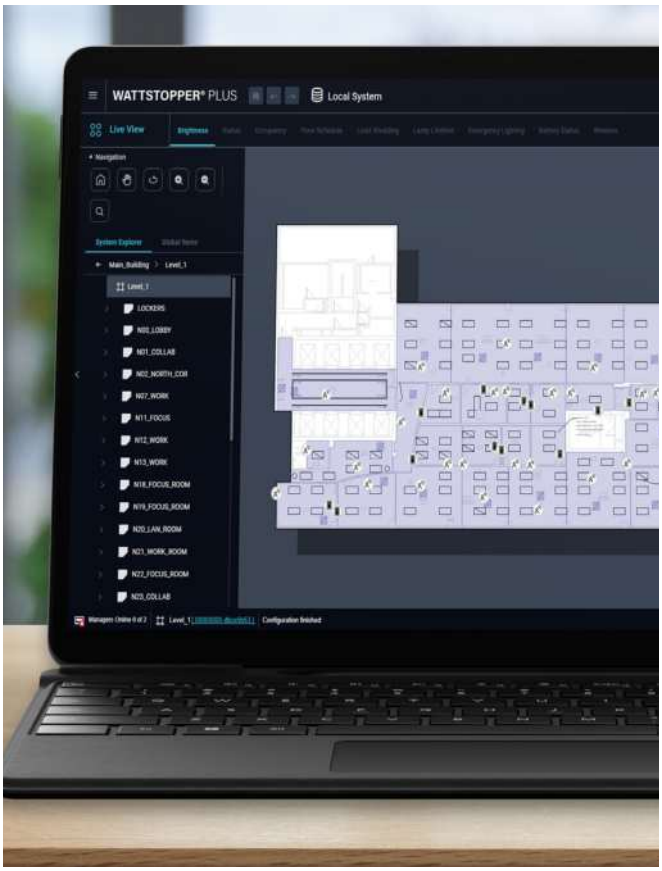
POLARIS™

Bring Visibility & Control to the Wattstopper PLUS System

Polaris software is at the core of Wattstopper PLUS — empowering facility managers and enabling the Wattstopper PLUS Experience. Our advanced Polaris Monitor software is intuitive and easy to use thanks to new workflows, multi-device access, and other enhancements.

Key features:

- Easily change from occupancy to vacancy
- Modify timeouts, scenes and schedules
- Manually override light levels
- Space utilization
- Notifications of low batteries
- No limits to number of licenses
- Customize access level of each user



POLARIS™ MONITOR

EASY NAVIGATION

With a floorplan view, it's easy to navigate an entire building, so you can monitor conditions and adjust as needed.

INFORMATION AT A GLANCE

Polaris Monitor dashboard gives you a clear view of your entire building or campus.

TROUBLESHOOTING TO GO

Multi-device access lets you troubleshoot with ease from your mobile device and from wherever you are.

READILY AVAILABLE INSIGHTS

Advanced reporting capabilities that give you deeper insights on power consumption, savings, occupancy, and more.

POLARIS™ CONFIG

Configuration is the first step towards your complete Wattstopper PLUS lighting control system. We recognize its importance with Polaris Config, special software that helps make the process faster and easier. Once the system is configured, the initial work of Polaris Config is done. When you're ready to enhance or expand your system, Polaris Config is ready to help.

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