

# Wireless Switching and Daylight Harvesting

## Wireless Switching Anywhere No Wires. No Batteries.



## Self-Powered Lighting Control Solutions by LevNet RF™

### INCREASE OCCUPANT SATISFACTION AND ENERGY SAVINGS

Proper installation and adjustment of lighting controls are essential to both occupant satisfaction and energy savings. Bi-level switching solutions combined with daylight harvesting technologies offer manual and local override control and effectively take advantage of natural light to maintain the desired level of illumination, while reducing lighting energy use.

With LevNet RF, contractors can now offer their customers a reliable, cost-effective wireless solution for bi-level lighting, occupancy sensing and daylight harvesting control, all without having to pull new wire. LevNet RF help contractors complete projects in half the time with little to no interruption to the customer's operations and without damage to the customer's property. By spending less time on installations and finishing more jobs, contractors can work smarter and maximize profits.

### PROBLEM

Customer wants bi-level and daylight harvesting control and this is cost prohibitive with labor for pulling new wires

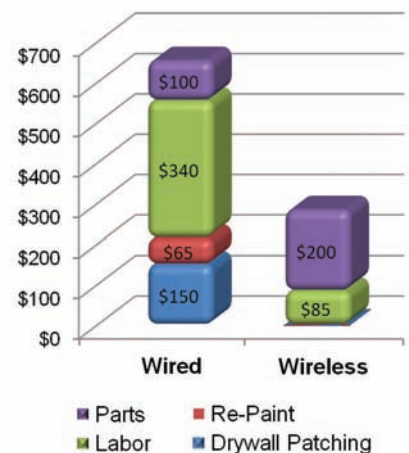
- Bi-level switching is a minimum control requirement in many state energy codes
- Occupant preferences vary, some prefer lower lighting levels for computer use, meetings and less visually demanding tasks whereas others prefer full lighting
- Facility has large windows and skylights and lights are fully on during peak hours

### SOLUTION

Easily add wireless control for bi-level and daylight harvesting

- LevNet RF receiver switches feature manual and automatic operation modes as well as timing functions, performing all necessary override and switching functions (with no additional hardware) to give the occupant the ability to adjust lighting levels to their preference
- A valuable, low cost energy saving technique for demand response to a utility's variable-rate pricing structure, bi-level switches save energy and utility costs and present a simple means of load-shedding during peak hours when utility rates are highest
- Earn additional LEED points for using self-powered lighting controls

### WIRED VS. WIRELESS COSTS



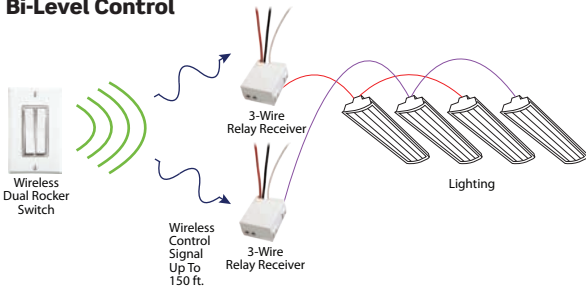
\* Installation time per device: 45-50 minutes for hardwire vs. 10-15 minutes for wireless devices

**LEVNET RF SOLUTIONS ARE THE SMART CHOICE to save on energy, installation and maintenance costs for both retrofit and new construction projects.**

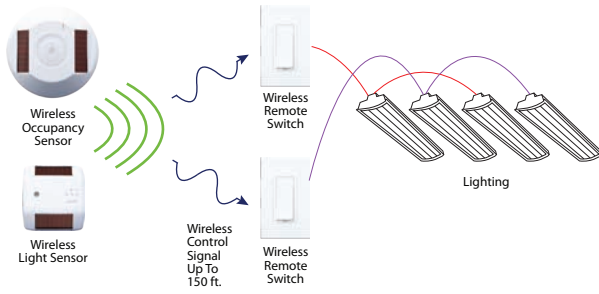
## TYPICAL BASIC LIGHTING CONTROL APPLICATION



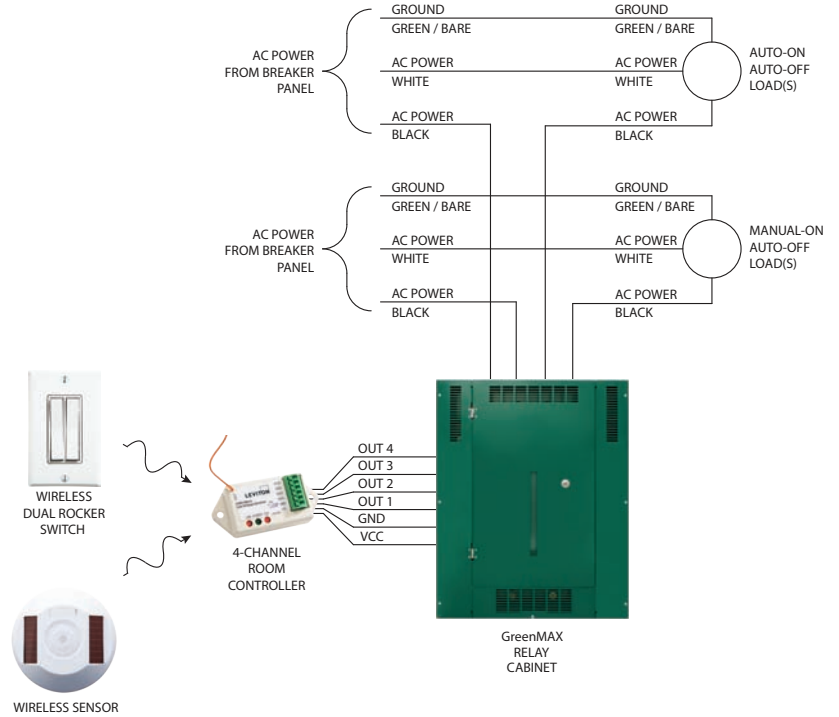
### Bi-Level Control



### Daylight Harvesting/Bi-Level Control



### Manual-ON and Auto-ON Bi-Level Switching with GreenMAX

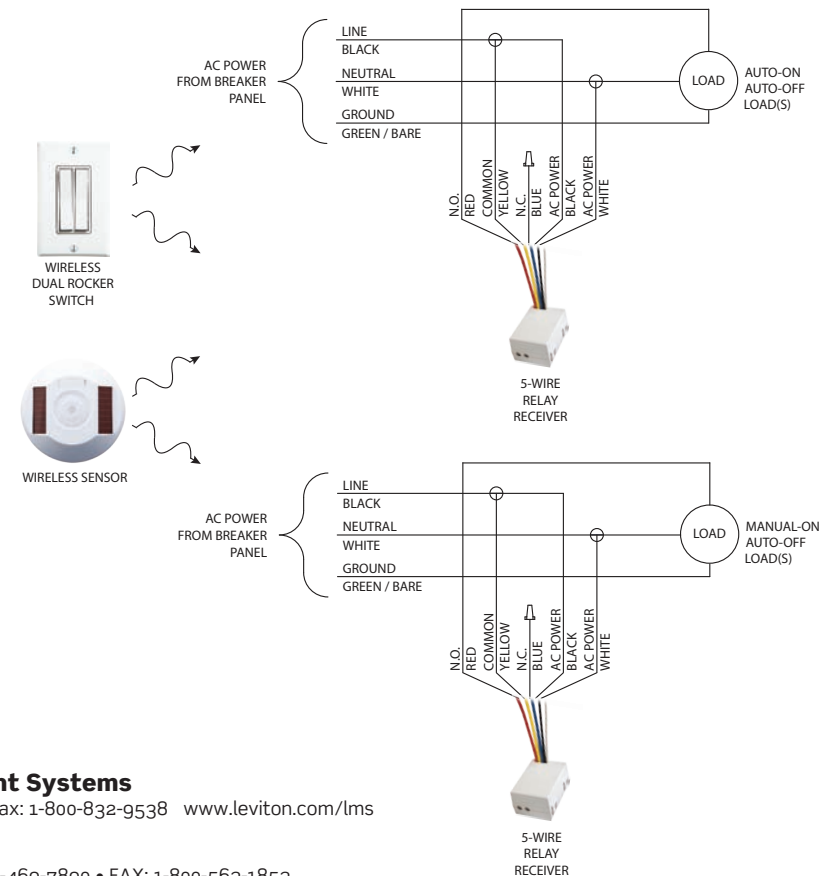


### What You'll Need for a LevNet RF Bi-Level Switching Solution

BASIC BI-LEVEL CONTROL SOLUTION		
	<b>Dual Rocker Switch</b> WSSoS-D2 • Controls virtually any on/off device	1
	<b>3-Wire Relay Receiver</b> WSP05-010   WSP05-020   WSP05-080 • Basic control for up to 30 wireless transmitters	2
BASIC BI-LEVEL CONTROL WITH DAYLIGHT HARVESTING SOLUTION		
	<b>Low Profile Occupancy Sensor</b> WSC04-IRW   WSC15-IRW • Turns lights on and off based on occupancy	1
	<b>Light Sensor</b> WSP05-010   WSP05-020   WSP05-080 • Use for daylight harvesting applications	1
	<b>Single Push ON/OFF Remote Switch</b> WSSoS-P • Controls virtually any on/off device	2

Contact your Leviton representative for additional smart solutions to expand and upgrade your system.

### Manual-ON and Auto-ON Bi-Level Switching with Relay Receivers



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