

LevNet RF™ Switching a Lighted Sign from an Existing Circuit

Product: LevNet RF™ Energy Harvesting with Wireless Protocol Solutions (WSTLT-010 and WSTxx) **Article ID:** 09132012-JE/TB-01

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Summary: This article describes programming a switched lighted sign to an existing LevNet RF Energy Harvesting with Wireless Protocol circuit for additional energy savings.

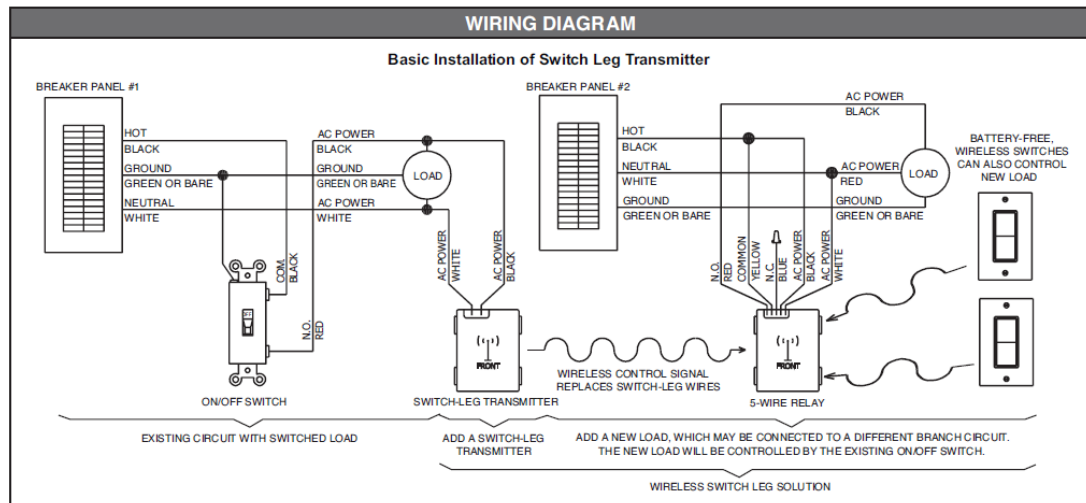
Information: **Application Explanation:**

Connecting a lighted sign (such as an OPEN sign) to an existing circuit that is only on during specified hours results in additional energy savings. Common examples of existing circuits on the same schedule as commercial lighted signs include a front lobby that is only lit during business hours, or outdoor lights that are controlled by a photocell. If the switch leg from the desired master circuit to the lighted sign does not exist, it can be difficult and costly to put in new wiring.

Retrofitting this application using the LevNet RF Energy Harvesting with Wireless Protocol Switch Leg Transmitter (WSTLT-010) and a Relay Receiver (WST05, WST12) eliminates the need to run wires, creating a cost-effective solution to traditional hard-wired methods.

To program for switching signs from an existing circuit:

1. Connect the LevNet RF Switch Leg Transmitter (WSTLT-010) to the existing circuit that is only on during desired times.
2. Connect the Relay Receiver (WST05 or WST12) between the circuit breaker and the lighted sign.



3. To link the SLT to the Relay Receiver, place the receiver in Learn Mode 1. Press the TEACH button on the SLT. Wait 30 seconds for the receiver to exit Learn Mode.
4. Programming complete. When the circuit that the SLT is connected to is ON, the relay receiver will turn the lighted sign ON. When the circuit that the SLT is connected to is OFF, the lighted sign will turn OFF.

Contact: If you have any questions or concerns, please call LES technical support at (800) 959-6004.

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