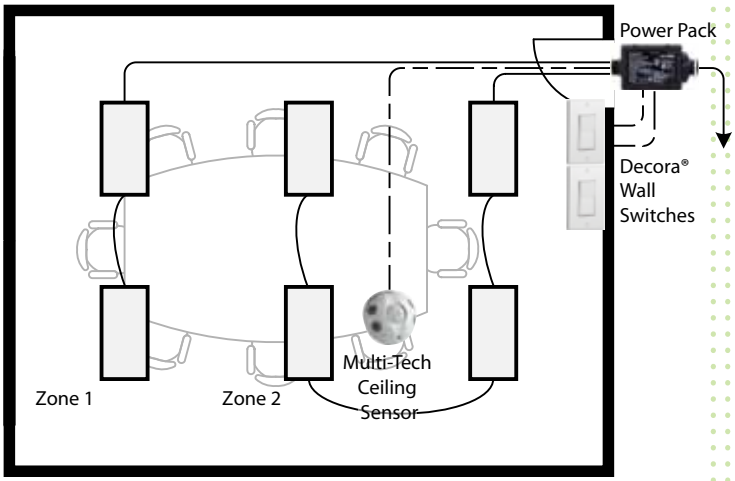
BEST SOLUTION

OCCUPANCY SENSOR MULTI-ZONE/BI-LEVEL SWITCHING SOLUTION

PROBLEM: Room is used in multiple applications, and the same levels of light are not always desired.

SOLUTION: By dividing a space into zones, lighting becomes more versatile. Multi-zone/bi-level switching, controlled by an occupancy sensor, allows occupants to accommodate A/V presentations, computer usage and other tasks where full overhead lighting is not desired. The integration of a Power Pack with HVAC relay lends the option of incorporating heating and cooling systems into the occupancy sensor control for additional energy savings.



- Multi-zone/bi-level lighting maximizes energy savings through use of both manual and automatic controls
- Offers various lighting settings for different tasks and preferences
- Occupancy sensing adds a valuable, low-cost energy saving technique
- Flexibility with two zone settings, manual switching controls and HVAC integration
- **Ideal Applications:** Meeting and conference rooms, classrooms, training areas and small commercial spaces

SOLUTION REQUIREMENTS

	PRODUCT	QUANTITY
	**Occupancy Sensor** OSC15-I PIR Ceiling Occupancy Sensor **OR** OSC20-M Multi-Technology Ceiling Occupancy Sensor	1
	**Add-a-Relay Power Pack** OSP20-RDH	1
	**Decora Plus Rocker Commercial Grade Switch** 56081-2	2

OCCUPANCY SENSING CASE STUDIES

BRONNER'S CHRISTMAS WONDERLAND

Commercial Warehouse Space, Frankenmuth, Michigan

Bronner's Christmas Wonderland contained a large storage, shipping and receiving area that was normally illuminated when unoccupied. Leviton divided the warehouse into separate aisleways, with each aisle containing an OSFHU high-bay fixture-mount occupancy sensor. Once installed, switching the lights OFF when aisles were unoccupied equated to a 90% reduction in energy usage.

LAVA BEDS NATIONAL PARK

Parks and Recreation, Tulelake, CA

Lava Beds National Monument contains 47,000 acres of park lands including lava tube caves, rugged desert terrain and historical sites. Leviton's LevNet RF products were selected to help control lighting in common areas, offices and restrooms. The results were annual savings of approximately 65,000 kWh and $6,400 in energy costs.