

# LIGHTING CONTROLS

## WATTSTOPPER UNIVERSAL VOLTAGE POWER PACKS

BZ-50



WattStopper | Legrand

### DESCRIPTION

The **Wattstopper BZ-50 Series Power Pack** provides 24 VDC operating voltage for occupancy and light level sensing. Each is capable of switching up to 20A electrical load. The **Slave Pack** is similar to the **Power Pack** but has no transformer power supply, only an isolated relay. **Power** and **Slave Packs** can be combined to switch almost any lighting or HVAC load controlled by occupancy or light sensor controls. They can also be used for low voltage switching.

### FEATURES

- **Power Pack include a transformer and isolated relay**
- **Slave Pack includes isolated relay only**
- **Available in several AC voltage inputs**
- **Zero-crossing technology for increased product life**
- **Attaches easily to standard 1/2" knockouts**
- **Plenum rated with UL listed 94V-0 ABS enclosure**
- **Can be used to switch low voltage control wiring**
- **UL and cUL listed**
- **Five-year warranty**



S-120/277

BZ-50



### SPECIFICATIONS

<b>Supply Voltage</b>		<b>Coil Ratings</b>	
BZ-50	120/ 277 VAC	BZ-50	12 -24VDC @36mA
<b>Power Output</b>		S-120	12 -24VDC @36mA
BZ-50	24VDC @225mA (short circuit thermally protected)	<b>Cycle Endurance</b>	Not Specified
S-120	None (Relay only)	<b>Visual Indication</b>	BZ-50, Red LED shows relay status
<b>Relay Type</b>		<b>Short Circuit Current (SCCR)</b>	Not Specified
BZ-50	SPST Dry relay contact (zero crossover)	<b>Operating Temperature</b>	32° to 104°F (0° to 40°C)
S-120	SPDT w/Solid-state (zero crossover)	<b>Operating Humidity</b>	10 to 95% RH, Non-condensing
<b>Relay Rating</b>		<b>Wiring Terminations</b>	7 color coded, 14 AWG pigtails, rated @300VAC
<b>Resistive</b>	Not Specified	<b>Mounting</b>	1/2" snap-in nipple
<b>Ballast</b>	120/277VAC @20A	<b>Enclosure Rating</b>	NEMA 1, Plenum rated, 94V-0 plastic
<b>Tungsten</b>	120VAC @20A	<b>Dimensions</b>	1.6"H x 2.75" W x 1.6" D (4.1 x 7.0 x 4.1 cm)
<b>FAN</b>	120/240VAC @1HP	<b>Weight</b>	0.48 lb (0.22 Kg)
<b>Remote Activation</b>		<b>Approvals</b>	UL File #E101196
<b>Resistive</b>	120/277VAC @20A	<b>Warranty</b>	5 years
<b>Ballast</b>	120/277VAC @20A-NO, 10A-NC		
<b>Tungsten</b>	120VAC @15A-NO, 2A-NC		
<b>FAN</b>	120VAC @1HP, 277VAC @2HP		

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LIGHTING CONTROLS

### INDIVIDUAL SPECIFICATIONS

Model	Type	Supply Voltage	Relay Coil 36mA	Contactor Ballast	Contactor Tungsten	Contactor Motor	24 VDC Output Current
BZ-50	Power/ Relay Pack	120/ 277 VAC	12-24 VDC	20A	20A	1 hp	225 mA
S120/277/347-E	Relay Pack	120/ 277 VAC	12-24 VDC	20A	15A @ 120V	1 hp @ 120V 2 hp @ 277V	-
S120/277/347-E	Relay Pack	347 VAC	12-24 VDC	15A	-	-	-



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**BZ-50**

### INSTALLATION

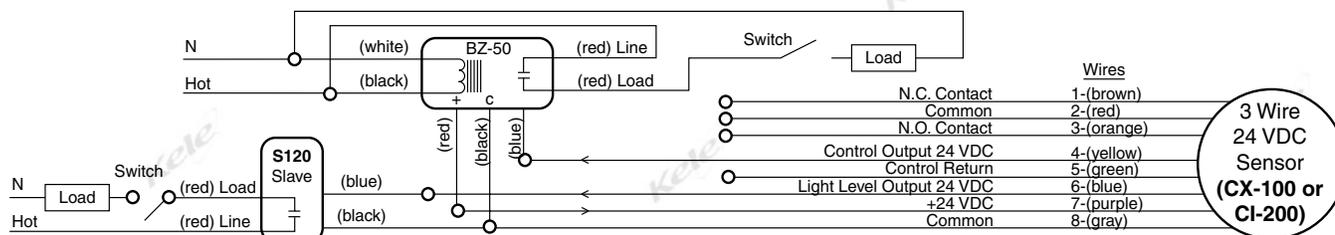
Note: All power packs should be installed in accordance with state, local, and national electrical codes and requirements.

**Power Packs** are designed to attach to existing or new electrical enclosures with 1/2" knockouts.

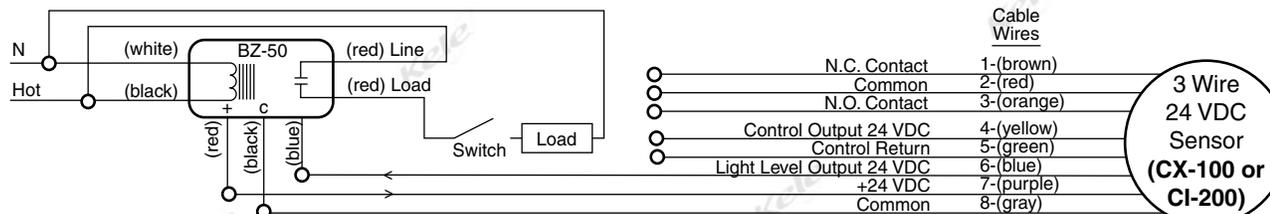
1. Disconnect power at the circuit breaker prior to doing any work.
2. Connect the white wire to neutral and the black wire to the appropriate hot leg.
3. Connect one red wire to the line side of the voltage to be controlled and the other red wire to the load to be controlled.
4. Make all low-voltage connections to the occupancy sensor (see wiring below).
5. Verify all connections are correct, and reset the circuit breaker.

### WIRING

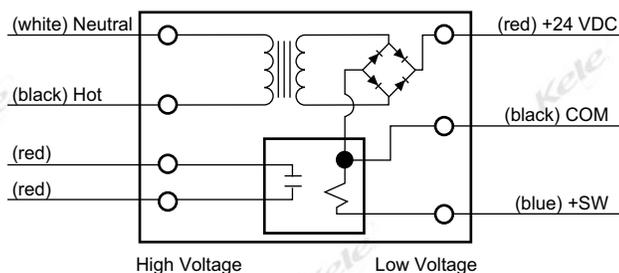
#### POWER PACK & SLAVE PACK APPLICATION



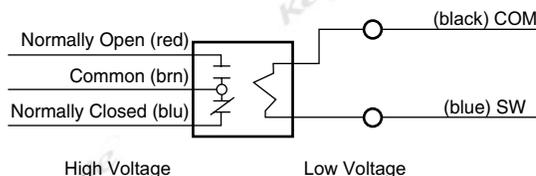
#### TYPICAL POWER PACK APPLICATION



#### BZ-50



#### S-120/277/347-E



### ORDERING INFORMATION

**MODEL**  
**BZ-50**  
**S-120/277/347-E**

**DESCRIPTION**  
 120-277 VAC to 24 VDC power pack with SPST Relay and 12-24VDC coil  
 Slave relay pack with SPDT Relay and 12-24VDC coil

**CI-200**  
**CX-100**

**RELATED PRODUCTS**  
 Ceiling-mount sensor  
 Dense wide-angle sensor with mounting bracket