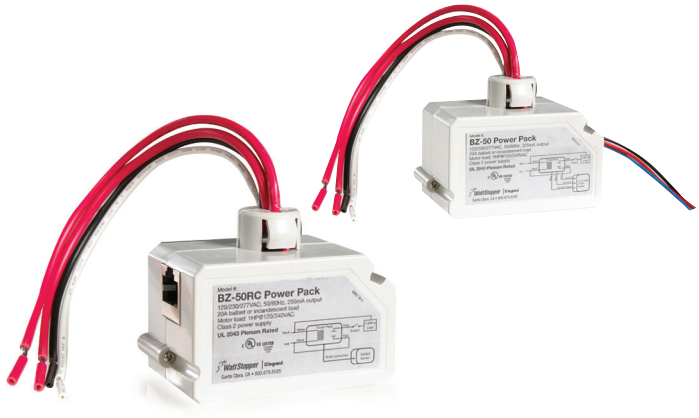
UNIVERSAL VOLTAGE POWER PACKS

| BZ-50 SERIES



Models

BZ-50RC

BZ-50

Specifications and Features

Power: 120/230 (1P, L-N)/277VAC, 50/60Hz

Output: 225 mA @ +24VDC with relay connected

120/277 VAC, 20 A

Low Voltage Connections:

RJ45 connection to FS sensors

Control in, common, +24VDC

For use with all low voltage fixture sensors

Weight: 5.6 oz (158.8 g)

RJ45 receptacle for easy plug and play with all low voltage FS sensors

Zero Crossing Circuitry for increased sensor life

UL 2043 plenum rated

Operating conditions: 32°F to 104°F (0°C to 40°C); 5% to 95% RH, non condensing

UL and cUL listed

Indoor use only

Five year warranty

Materials

ABS, flame retardant

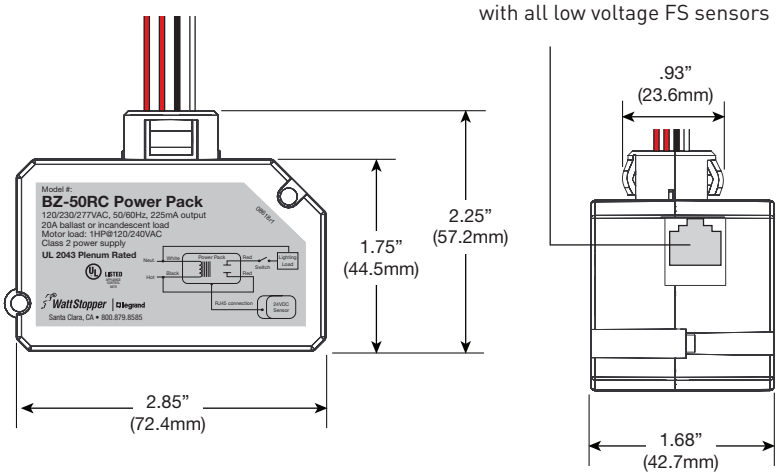
Meets materials restrictions of RoHS

Product Overview

The BZ-50RC power pack is the foundation for a low voltage lighting control system. The BZ-50RC supplies low voltage power to FS occupancy sensors and other control devices that are equipped with an RJ45 jack.

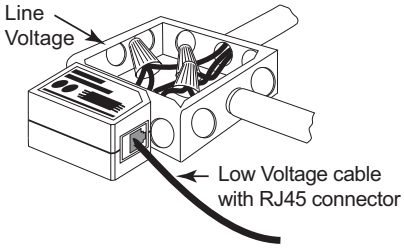
The BZ-50RC switches line voltage in response to signals from control devices. The BZ-50RC power pack is attached to an existing junction box or mounted into a fixture wiring tray.

The BZ-50RC includes a RJ45 receptacle for easy plug and play with all low voltage FS sensors



Installing the BZ-50RC in a Light Fixture

1. Determine an appropriate mounting location for the power pack.
2. Attach the power pack to an electrical enclosure.
3. Connect wires to load as described in the wiring section.
4. Connect wires to electrical supply as described in the wiring section.
5. Connect the RJ45 from the sensor to the RJ45 on the power pack.
6. Restore power from the circuit breaker.



Wiring Diagram

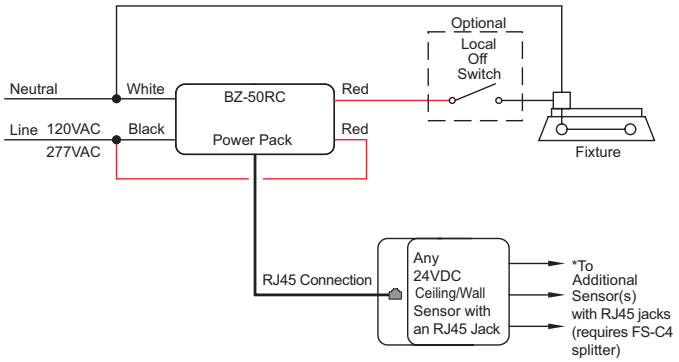


Figure 1. BZ-50RC wiring to lighting load and sensor

Notes

1. Power packs should be installed in accordance with state, local and national electrical codes and requirements.
2. Power packs are designed to attach to existing or new electrical enclosures with 1/2 inch knockouts.
3. For plenum return ceilings, use UL listed plenum-approved cables.
4. The BZ-50RC is a Class 2 Output Power Supply, suitable for parallel interconnection of up to 10 units maximum. This power pack is UL Listed for Interconnection of Power Sources in accordance with the National Electric Code.

Ordering Information

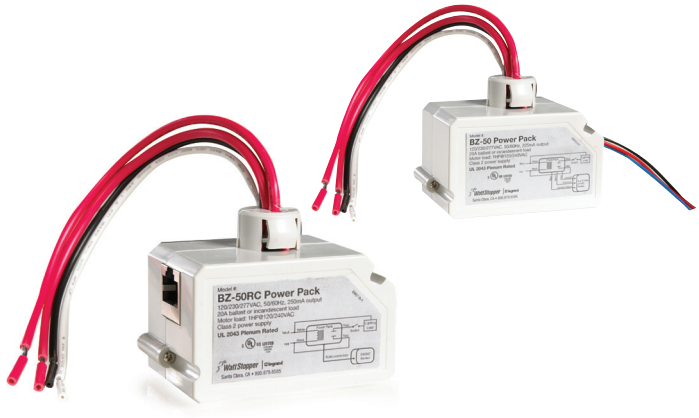
	Master Pack Details					Inner Pack Details				
		Case dimensions (inches)					Case dimensions (inches)			
Catalog #	Master Pack Quantity	Length	Width	Height	Weight (pounds)	Inner Pack Quantity	Length	Width	Height	Weight (pounds)
BZ-50RC	40	13.46	13.58	9.06	15.0	10	13.0	6.30	3.93	3.55
BZ-50	40	13.46	13.58	9.06	15.0	10	13.0	6.30	3.93	3.55
FS-C1	160	14.17	11.02	11.02	31.62	10	13.0	9.0	2.0	1.9
FS-C1-20	120	13.38	18.50	13.97	44.92	5	13.0	9.0	2.0	1.8
FS-C2	700	15.0	18.50	19.0	16.82	20	13.0	9.0	2.0	20.0
FS-C2-J	500	13.46	13.58	10.0	4.02	100	7.0	4.0	1.50	0.36
FS-C3	350	15.0	13.50	19.0	28.08	10	13.0	9.0	2.0	0.76
FS-C4	750	16.34	12.75	20.27	40.0	15	9.0	7.0	1.0	0.76
FS-C5	600	14.17	11.02	14.17	22.34	30	12.0	6.0	1.0	1.04
FS-C6	500	15.0	13.50	19.0	24.62	10	13.0	9.0	2.0	0.46
FS-CK-2	320	20.0	17.50	14.0	25.0	80	19.5	8.0	6.25	5.5

Catalog #		Color	Description	Input Voltage
☐	BZ-50RC	White	Universal Voltage Power Pack with RJ45 connection	120/230 (1P, L-N) /277 VAC, 50/60Hz
☐	BZ-50	White	Universal Voltage Power Pack with flying leads	
☐	FS-C1		10' (3.048m) cable with shielded RJ45 male connectors at each end	
☐	FS-CI-20		20' (6.096m) extension cable with shielded RF45 male connectors at each end	
☐	FS-C2		6" (0.152m) cable with 3 flying leads at one end and a shielded RJ45 male connector on the other	
☐	FS-C2-J		RJ45 override jumper	
☐	FS-C3		3' (0.914m) cable with shielded 90° male RJ45 on one end and shielded straight male RJ45 on the other	
☐	FS-C4		Shielded RJ45 splitter with female to dual female receptacles	
☐	FS-C5		Shielded RJ45 male to male coupler	
☐	FS-C6		24" (0.610m) cable with 90° RJ45 connector and 3 flying leads	
☐	FS-CK-2		6" (0.152m) cable with 3 flying leads at one end and shielded RJ45 male connector at the other, plus shielded male to male coupler	

Information supplied above is subject to change.
Harmonization code: 8504406001. Country of origin: China.

UNIVERSAL VOLTAGE POWER PACKS

| BZ-50 SERIES



Models

BZ-50RC

BZ-50

Specifications and Features

Power: 120/230 (1P, L-N)/277VAC, 50/60Hz

Output: 225 mA @ +24VDC with relay connected

120/277 VAC, 20 A

Low Voltage Connections:

RJ45 connection to FS sensors

Control in, common, +24VDC

For use with all low voltage fixture sensors

Weight: 5.6 oz (158.8 g)

RJ45 receptacle for easy plug and play with all low voltage FS sensors

Zero Crossing Circuitry for increased sensor life

UL 2043 plenum rated

Operating conditions: 32°F to 104°F (0°C to 40°C); 5% to 95% RH, non condensing

UL and cUL listed

Indoor use only

Five year warranty

Materials

ABS, flame retardant

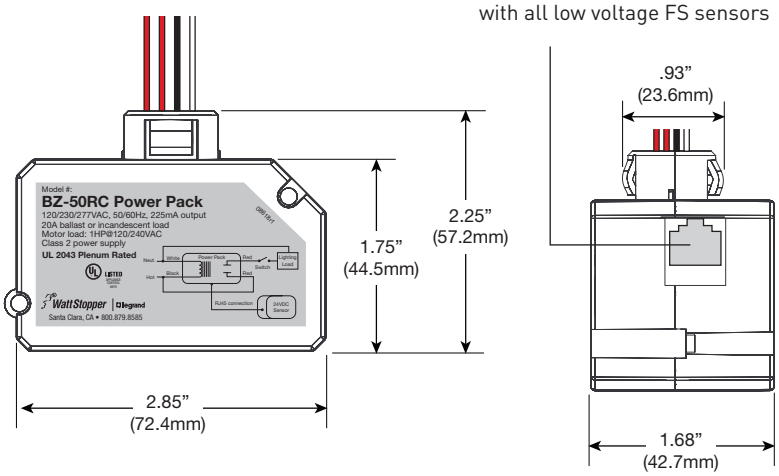
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Product Overview

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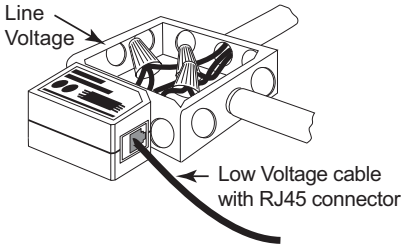
The BZ-50RC switches line voltage in response to signals from control devices. The BZ-50RC power pack is attached to an existing junction box or mounted into a fixture wiring tray.

The BZ-50RC includes a RJ45 receptacle for easy plug and play with all low voltage FS sensors



Installing the BZ-50RC in a Light Fixture

1. Determine an appropriate mounting location for the power pack.
2. Attach the power pack to an electrical enclosure.
3. Connect wires to load as described in the wiring section.
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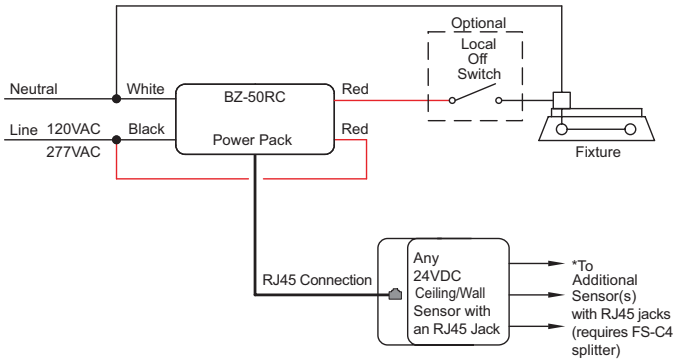


Figure 1. BZ-50RC wiring to lighting load and sensor

Notes

1. Power packs should be installed in accordance with state, local and national electrical codes and requirements.
2. Power packs are designed to attach to existing or new electrical enclosures with 1/2 inch knockouts.
3. For plenum return ceilings, use UL listed plenum-approved cables.
4. The BZ-50RC is a Class 2 Output Power Supply, suitable for parallel interconnection of up to 10 units maximum. This power pack is UL Listed for Interconnection of Power Sources in accordance with the National Electric Code.

Ordering Information

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FS-CK-2	320	20.0	17.50	14.0	25.0	80	19.5	8.0	6.25	5.5

Catalog #		Color	Description	Input Voltage
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☐	FS-C2-J		RJ45 override jumper	
☐	FS-C3		3' (0.914m) cable with shielded 90° male RJ45 on one end and shielded straight male RJ45 on the other	
☐	FS-C4		Shielded RJ45 splitter with female to dual female receptacles	
☐	FS-C5		Shielded RJ45 male to male coupler	
☐	FS-C6		24" (0.610m) cable with 90° RJ45 connector and 3 flying leads	
☐	FS-CK-2		6" (0.152m) cable with 3 flying leads at one end and shielded RJ45 male connector at the other, plus shielded male to male coupler	

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