FIXTURE SENSOR POWER PACK

| FS-PP V2

Models
FS-PP v2

Specifications and Features
Power: 120/277/347 VAC, 60 Hz
Relay Type: Form C (Zero Crossing on N.O. only)
Output: 70mA @ +24VDC with relay connected @ 120VAC: 5.0A (N/O), 3.0A (N/C), 1/6hp @ 277VAC: 4.3A (N/O), 2.5A (N/C), 1/6hp
Weight: 2.86 oz/ 81 g
Line and Load Connections: 12-18AWG screw terminals
Line and Load Connections: 12-18AWG screw terminals
Terminal torque rating .4.428 inch pound-force (0.5Nm)
For use with all low voltage fixture sensors
ON/OFF and stepped dimming control options (with 0-10VDC dimming ballasts)
Controls: one ultrasonic or up to seven PIR fixture sensors
RJ45 receptacle for easy plug and play with all low voltage FS sensors
Zero crossing circuitry for increased sensor life
Terminal connections for easy installation
Small, thin footprint fits in most lighting fixtures
Operating conditions: 32°F to 131°F (0°C to 55°C); 5% to 95% RH, non condensing
UL and cUL listed
Indoor use only
Five year warranty

| Materials |
| --- |
| White ABS, flame retardant Meets materials restrictions of RoHS |

Product Overview

The FS-PP v2 power pack supplies low voltage power to FS and FD sensors and switches connected loads in response to control signals from the sensors.

The FS-PP v2 is designed for installation inside the lighting fixture housing and includes a female RJ45 receptacle. A cable fitted with a corresponding male RJ45 plug 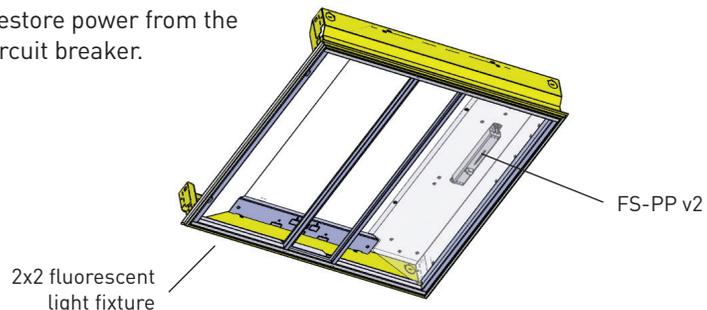is supplied with each FS series 24VDC occupancy sensor. This cable carries power to the sensor and lighting control signals to the power pack.

FS-Cx accessory cables are required to connect multiple sensors or multiple power pack wiring configurations. Wiring connected to the RJ45 is limited to an aggregate total of 100'. High voltage connections should use at least 16 gauge wire.
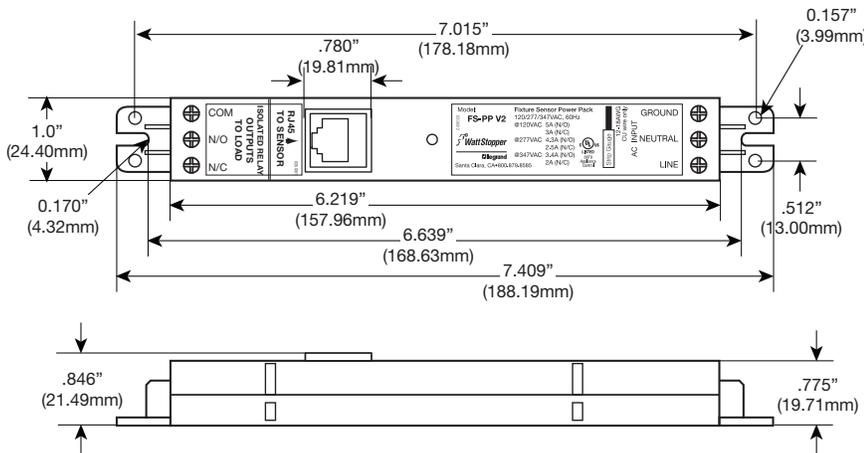
Installing the FS-PP in a Light Fixture

1. Determine an appropriate mounting location inside the light fixture.

2. Use the holes or mounting slots at both ends of the power pack to secure it to the fixture.

3. Connect wires to load as illustrated in the wiring diagram section.

4. Connect wires to electrical supply as illustrated in the wiring diagram section.

5. Connect the RJ45 from the sensor to the RJ45 on the power pack.

6. Restore power from the circuit breaker.

FS-PP v2

2x2 fluorescent light fixture
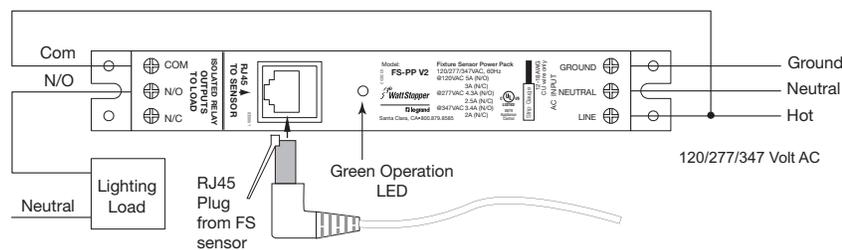
Wiring Diagrams

Figure 1. FS-PP v2 direct wiring to lighting load
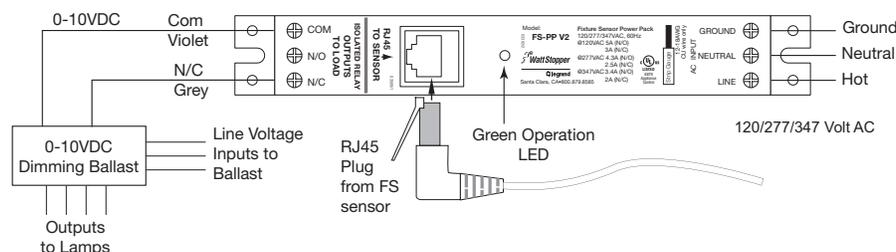
Figure 2. FS-PP v2 wiring to 0-10V dimming ballast

Ordering Information

Catalog #	Master Pack Details					Inner Pack Details				
	Master Pack Quantity	Case dimensions (inches)			Weight (pounds)	Inner Pack Quantity	Case dimensions (inches)			Weight (pounds)
		Length	Width	Height			Length	Width	Height	
FS-PP v2	100	21.14	19.72	10.31	21.80	N/A	N/A	N/A	N/A	N/A
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
☐	FS-PP v2	White	Fixture Sensor Power Pack	120/277/347 VAC, 60Hz
☐	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: 8538908080. Country of origin: China.