



FLAT-S-PP-FC

ORDERING INFORMATION

Product Code	Description	Color	Part Number
FLAT-S-PP-FC	Secondary low voltage sensor for use with any PP power packs (requires primary sensor on same power pack)	white	97033



FC

DESCRIPTION

The virtually flush footprint of the FLAT-P-PP makes it the solution to the aesthetic compromises posed by traditional dome-shaped surface mount sensors and lenses. The flat lens and trim ring does not sacrifice performance due to its patented lens design, still delivering superior 360-degree detection coverage and excellent range. The combination of passive Infrared (PIR) motion detection in primary and secondary sensors, and integral photocell in the primary sensor, provides an all-in-one occupancy detection and daylighting control solution. The RJ-12 plug into the PP-A-J, PP-1-J, or PP-DIM-J power pack makes sensor wiring quick and error-free. Designed for easy integration with the B.E.G. Controls PP series power packs, the FLAT-S secondary sensor simply connects to the power pack and FLAT-P primary sensor using an included RJ12 jack 2-way splitter to expand the motion detection coverage area. All of the settings of the FLAT-P-PP can be remotely adjusted using our iOS or Android smartphone app (via the primary sensor only). Through programming the when combined with a switch the FLAT-P-PP can be used as a Vacancy sensor.

TOP FEATURES

- **Aesthetic virtually flush ceiling profile**
- **No sacrifice of performance compared to traditional surface mount sensors**
- **Spring clips for quick and easy installation in suspended ceilings and light fixtures**
- **Accessory snap-on trim rings are offered in several popular colors or for field painting**

OPERATION

The FLAT-P with B.E.G. PP-A or PP-J power pack detects both motion and the ambient light level in the room and then automates the lights according to the parameters set by the building management. The FLAT-S extends the motion detection coverage of the system by sending a pulse to the primary sensor as long as it detects motion. The integrated light sensor in the FLAT-P-PP-A constantly measures the ambient light and if the light level is sufficient, the light will be switched off. If the ambient light level is below the brightness level the lights will be allowed to come on when the sensors detect movement in the room. The integrated light sensor in the FLAT-P-PP-DIM constantly measures the ambient light on the surface and dims the connected lighting in response to the amount of ambient light detected to maintain a set target light level. With the integration of simple off the shelf, momentary switches the FLAT LV with PP-A or PP-1 can be used as a vacancy sensor, or the switches can be used to turn off the lighting before the preset time out period. When used with a PP-DIM the switch also provides full range dimming.

Project name:		Type
Catalog number:		
Location:		
Date:		
Comments:		

APPLICATIONS

- **Indoor applications:**
Private and Open Offices
Conference Rooms
School/University Classrooms
Corridors
Healthcare and Laboratory Spaces

PRODUCT INFORMATION

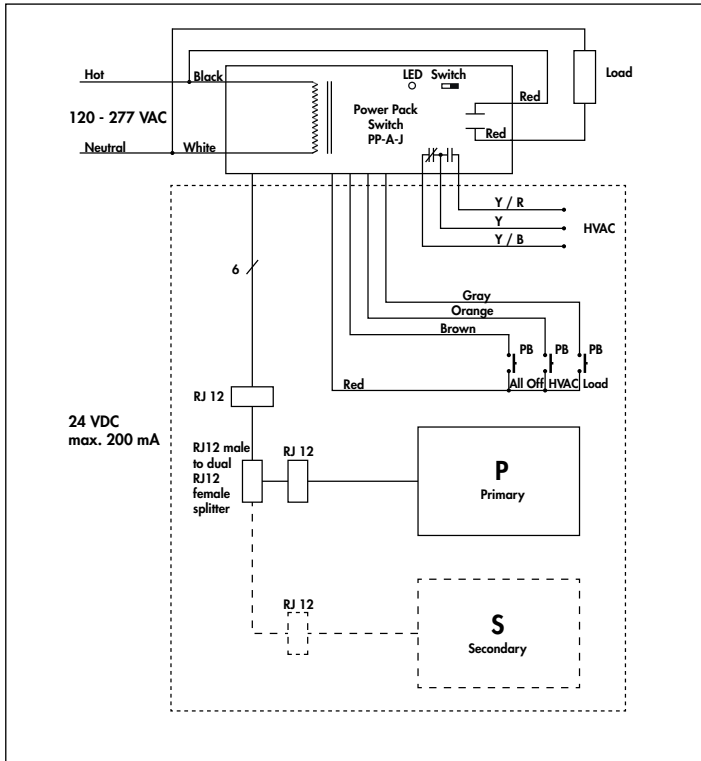
- One FLAT primary sensor is required on the same power pack for the FLAT-S-PP-FC to function. Refer to tech sheets for part numbers 97032 (FLAT-P-PP-A-FC) and 97041 (FLAT-P-PP-DIM-FC), and the appropriate power pack
- Designed for indoor and dry locations only.
- Works with the B.E.G. PP series power packs
- Aesthetic virtually flat ceiling profile
- Visible dimensions from below ceiling: 0.03 inch / H 0.85 mm
- Up to 4 Secondary sensors may be connected with a primary sensor to increase motion detection coverage.
- Spring clips for quick and easy installation in suspended ceilings and light fixtures
- 5 years limited warranty
- Masking blinds included
- All programmable features can be adjusted using our free Android and iOS apps.
- ROHS and REACH compliant
- Accessory snap-on trim rings are offered in several popular colors. Order the white trim ring for field painting. Use paints suitable for polyethylene plastic

TECHNICAL DETAILS

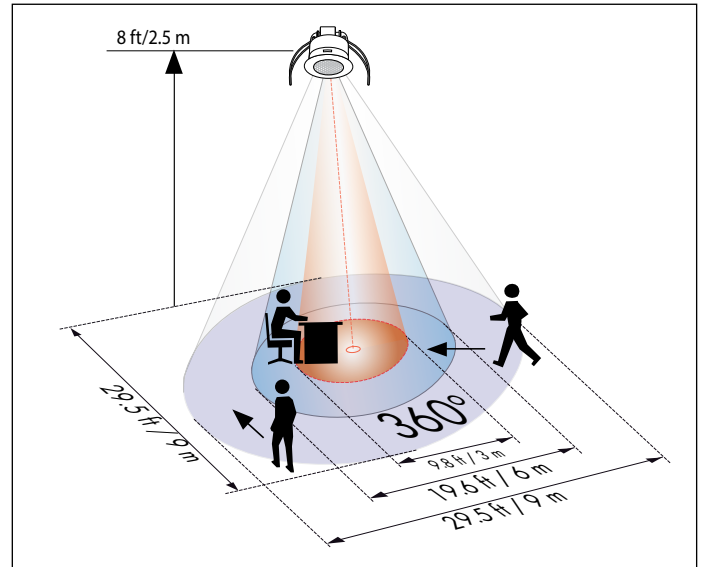
Power supply:	24 V DC from B.E.G. Controls Power Pack PP-1-J or PP-A-J, or compatible power supply by others. Please contact B.E.G. Controls to confirm compatibility with power supplies by others.
Power consumption:	< 0.5 W
Detection range:	Ø 9.8 ft / 3 m across Ø 19.7 ft / 6 m towards Ø 29.5 ft / 9 m seated
Recommended Mounting Height:	8.2 ft / 2.5 m
Operating temperature:	-13 °F to 122 °F / -25 °C to +50 °C
Housing:	UV- and shock resistant 5VA material

Cable length:	9.8 ft / 300 cm
Compliances:	ETL listed for the U.S. and Canada (UL STD 60730-1 and CSA STD E60730-1). UL 2043 plenum rated.

WIRING DIAGRAM

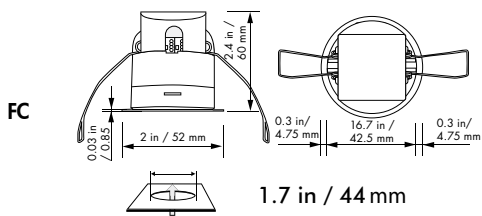


RANGE DIAGRAM



- Walking towards
- Walking across
- Seated activity

DIMENSIONS DRAWING



Note: Product specifications are subject to change without notice.
Please consult the B.E.G. Controls web site for the most recent product specifications.