



FLAT-P-PP-A-FC

ORDERING INFORMATION

Product Code	Description	Color	Part Number
FLAT-P-PP-A-FC	Primary low voltage sensor for use with PP-A and PP-1 power packs	white	97032
Accessories			
IR-Adapter for Smartphones	IR-Adapter for Smartphones (phone by others) to enable use of Smartphone Remote Control App	black	92726
FLAT-S-PP-FC	Secondary low voltage sensor for use with any PP power packs (requires primary sensor on same power pack)	white	97033

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



FC

DESCRIPTION

The virtually flush footprint of the FLAT-P-PP-A-FC 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 and photosensor provides an all-in-one occupancy detection and daylighting control solution. The RJ-12 plug into the PP-A-J or PP-1-J power pack makes sensor wiring quick and error-free. The flat recessed design could also be incorporated into a light fixture design for an integral sensor application. Designed for easy integration with the B.E.G. Controls PP-1-J or PP-A-J power packs, the FLAT-P-PP-A-FC simply connects to the power pack with a standard RJ12 jack. When used with B.E.G. Controls power packs, the FLAT-P-PP-A-FC can switch a full 20amp load, send a dry contact signal to HVAC or other systems and be overridden with an off the shelf switch. All of the settings of the FLAT-P-PP-A-FC can be remotely adjusted using our iOS or Android smartphone app. Through programming the sensor when combined with a switch the FLAT-P-PP-A-FC can be used as a Vacancy sensor.

TOP FEATURES

- PIR motion detector and photocell in one unit
- 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
- All settings can be remotely adjusted using our password protected, Android or iOS smartphone apps.
- Can be used as both an occupancy and vacancy sensor
- Accessory snap-on trim rings are offered in several popular colors or for field painting

OPERATION

The FLAT-P-PP-A-FC with B.E.G. Controls PP-A or PP-1 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 integrated light sensor 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 sensor detects movement in the room. If no motion is detected for the duration of the time-out period, at the end the lights will turn off. When motion is detected in the room, the PP-A's auxiliary dry contact relay will send a signal to HVAC or other systems indicating that the room is occupied by closing or opening the contactor (depending upon whether is wired normally open or normally closed). With the integration of simple off the shelf, momentary switches the FLAT-P-PP-A-FC with PP-A or PP-1 can be used as a vacancy sensor (required manual on), or the switches can be used to turn off the lighting before the preset time out period.

APPLICATIONS

Indoor applications:

Private and Open Offices
Conference Rooms
School/University Classrooms
Corridors
Healthcare and Laboratory Spaces

PRODUCT INFORMATION









- Designed for indoor and dry locations only.
- Works with the B.E.G. power pack PP-A-J and PP-1-J
- 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
- Photocell included as a standard feature
- 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

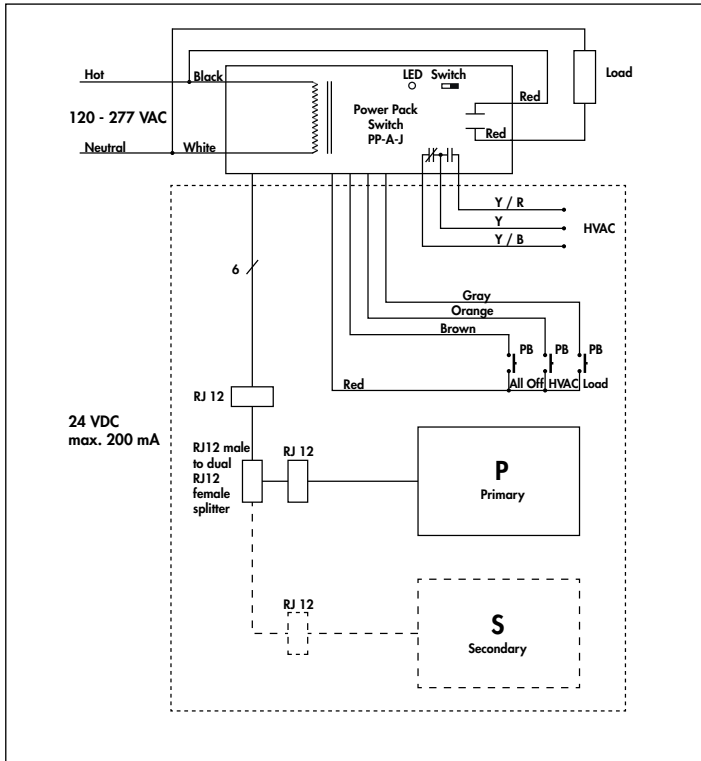
Remote controllable:	IR-Adapter with Smartphone App (Android / iOS)
Compliances:	ETL listed for the U.S. and Canada (UL STD 60730-1 and CSA STD E60730-1). UL 2043 plenum rated.
Channel 1 Daylight Modes:	Full Automatic, Impulse & CdS
Time settings:	1 s - 30 min / 12 h
Brightness value:	1.9 - 93 fc / 20 - 1000 Lux
Channel 2 Motion Detection Modes:	Full Automatic, Impulse
Time settings:	1 s - 30 min / 12 h

PARAMETER SETTINGS

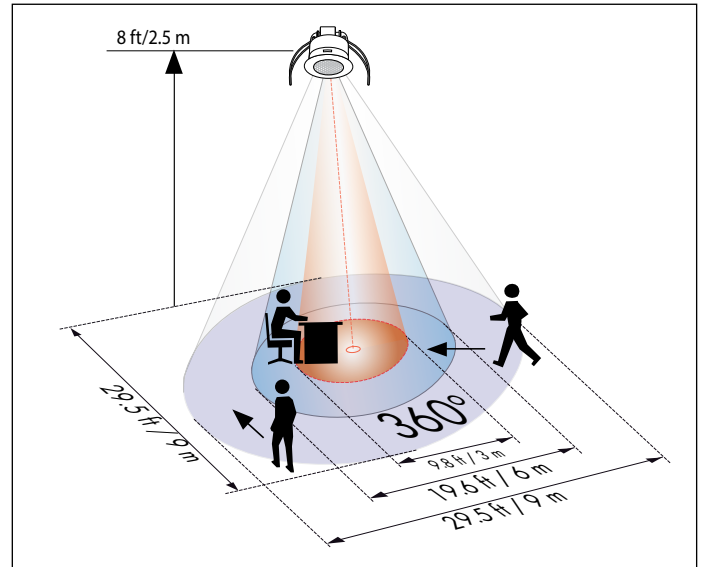
	Lock device / Save settings
	Open device
	Double lock device
	Reset
	Activate / deactivate status LED
	Test mode
	Sensitivity
	Light ON / OFF

	Automatic
	Follow-up Time
	Switch-on threshold
	Save Brightness
	Switch-on delay

WIRING DIAGRAM

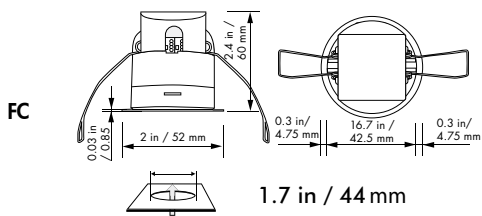


RANGE DIAGRAM



- 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.