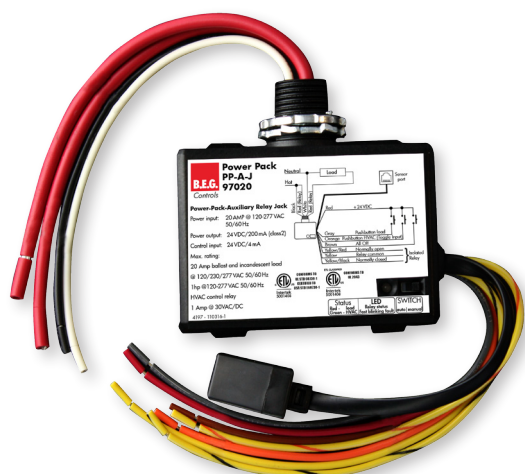




Power Pack PP-A-J

ORDERING INFORMATION

Product Code	Description	Color	Part Number
Power Pack PP-A-J	24V sensor power pack, switching, auxiliary relay, RJ-12 port for sensor connection	black	97020



DESCRIPTION

The PP-A-J power pack is a small, full-featured 24V sensor switching module designed to be used with B.E.G. Controls motion and daylight sensors. The power pack can switch single phase, single pole circuits with loads of up to 20A, and includes a normally-open or normally-closed dry contact closure relay for signaling HVAC systems or controlling up to 1 HP motor loads. Low voltage momentary contact switches can be connected to toggle the load and HVAC relays. The PP-A-J status and fault LEDs on the case take the guess-work out of power pack troubleshooting. The auto/manual switch makes changing operation from occupancy sensor to vacancy sensor a snap. Mounting via the threaded nipple through a 1/2 inch trade-size knockout offers installation flexibility on a variety of junction boxes or enclosures. The PP-A-J RJ-12 sensor port makes sensor wiring quick and error-free.

TOP FEATURES

- Ideal for both integral fixture and zone lighting control. Also suitable for control of plug receptacle loads and fan motors.
- Small sensor power pack that supports one primary and four secondary sensors.
- Status and fault LEDs for easy troubleshooting
- Integral switch selects occupancy or vacancy sensor mode
- RJ-12 port makes sensor connection simple and error-free
- HVAC auxiliary relay integrates with BMS/BAS systems
- Low voltage switch input to toggle load relay and override sensor

OPERATION

Operation will depend upon on the type of sensor connected to the power pack. For example, a MINI-P with B.E.G. Controls PP-A 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 MINI-S extends the motion detection coverage of the system. The integrated light sensor in the MINI-P constantly measures the ambient and contributed light. If the light level is above the brightness level, the light will be switched off or remain off. If the measured light level is below the brightness level the lights will be allowed to come on when the sensors detect movement in the room.

When motion is detected in the room the PP-A-J's axillary dry contact relay will send a signal to HVAC or other systems indicating that the room is occupied.

With the integration of simple off the shelf, momentary switches the MINI/PP-A-J can be used as a vacancy sensor or the switches can be used to turn off the lighting manually. The photosensor function can be disabled via the smartphone app for receptacle or fan motor control.

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

APPLICATIONS

- Use with integral low voltage fixture motion or photo sensor
- Motion/photocell switching control of lighting loads (LED, fluorescent)
- Occupancy sensor switching control of small motors (i.e. restroom ventilation fan)
- Occupancy sensor switching control of receptacles
- Vacancy sensor application (requires a wall switch manual on)
- Sensor application requiring a wall switch override
- Sensor application requiring a dry contact input from a control system
- Vacancy (Manual) operation is achieved by combining the PP-A-J power pack with a low voltage momentary contact switch and setting the integral mode switch to "manual".

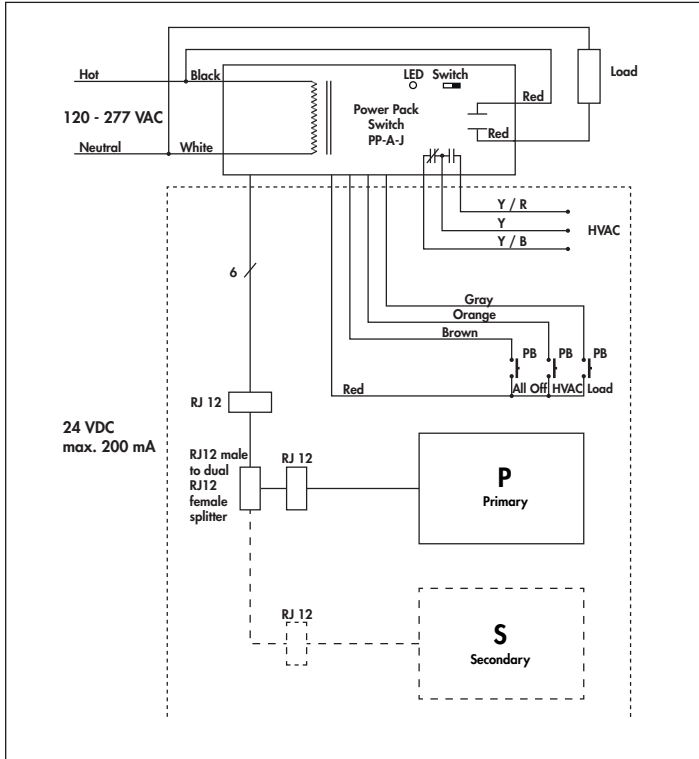
TECHNICAL DETAILS

Operating voltage:	120 - 277 V 50 / 60 Hz
Control input:	2 control inputs (Motion and HVAC). Normally-open momentary contact switch or dry contact closure. mA
Operating temperature:	-4 °F to 122 °F / -20 °C to +50 °C
Housing:	UV- and shock resistant 5VA material
Compliances:	ETL listed for the U.S. and Canada (UL STD 60730-1 and CSA STD E60730-1). UL 2043 plenum rated.
Switching power:	max. 20 A / 277 V AC 50/60 Hz 1hp @ 277 V AC 50/60 Hz

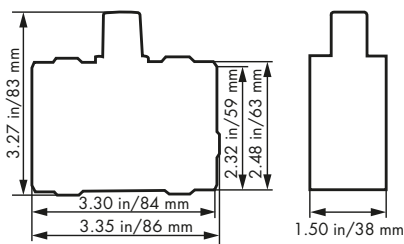
PRODUCT INFORMATION

- Full-featured power pack that provides power and switching control to B.E.G. low voltage motion and daylight sensors.
- Compatible with sensor part numbers 97180, 97183, 97184, 97187, 97190, 97193, 97194, 97197, 97032, and 97033. For other compatibility contact B.E.G. Controls
- Suitable for lighting, plug receptacle, and fan motor loads
- Suitable for parallel connection of one mandatory primary and maximum four optional secondary sensors to increase detection coverage.
- Integrated manual (vacancy)/automatic (occupancy) mode switch
- All programmable features can be adjusted using our free Android and iOS apps (requires IR-ADAPTER, part number 92726 sold separately).
- LED status and fault indicators
- ½ inch trade size threaded nipple with two lock nuts included.
- Switch input to toggle lighting load relay/override sensor (normally-open momentary dry contact)
- Switch input to toggle HVAC isolated control relay (normally-open or normally-closed momentary dry contact)
- RJ-12 sensor connection port.
- Integral short circuit and thermal protection
- 5 years limited warranty
- ROHS and REACH compliant

WIRING DIAGRAM



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.