



Project name:		Type
Catalog number:		
Location:		
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Comments:		

Fixture Sensor Power Pack FP-A-J

ORDERING INFORMATION

Product Code	Description	Color	Part Number
FP-A-J	Fixture sensor power pack, 2-channel switching, switch input, RJ-12 port for sensor connection	White	97088



TOP FEATURES

- Complete occupancy/daylight switching solution for one MINI or FLAT sensor with HVAC relay contact closure output
- Designed for OEM integral fixture control applications
- Miniature case size to accommodate limited fixture channel space
- RJ-12 port makes sensor connection simple and error-free
- Terminals accept a wide range of wire gauges
- Status and fault LED for easy troubleshooting
- Occupancy/vacancy sensor mode and other parameters are selectable via IR remote control
- Line voltage switch input to toggle load and override or manually turn on sensor

DESCRIPTION

The FP-A-J power pack is a miniature, full-featured sensor switching module designed for use with B.E.G. Controls MINI and FLAT low voltage primary occupancy/photo sensors in OEM integral fixture applications. The FP-A-J is also ideal for fixture retrofit applications. The power pack can switch loads of up to 5A at 120V through 277V AC, and is also equipped with a secondary HVAC relay that closes upon detection of motion. An optional line voltage momentary contact switch (i.e. PADDLE series) can be connected to the switch input to toggle the load, or turn on in vacancy (manual) mode.

The minimal footprint accommodates the smallest and component-filled channels of today's luminaires. The FP-A-J RJ-12 sensor port makes sensor wiring quick and error-free. The wire terminals accept a wide range of wire gauges to simplify wiring harnesses, and the housing design enables a variety of mounting methods. A status and fault LED on the case takes the guess-work out of power pack troubleshooting.

OPERATION

The MINI or FLAT with B.E.G. Controls FP-A-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 integrated light sensor in the MINI or FLAT constantly measures the ambient light, and if the light level is sufficient the light will be switched on. 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 normally-open dry contact secondary HVAC relay closes upon detection of motion to signal a building management or other system. With the integration of simple off the shelf, line voltage momentary switch the MINI or FLAT with FP-A-J can be used as a vacancy sensor, or the switch can be used to turn the lighting on and off manually.

Please refer to the installation instruction/manual for a detailed description of functions and operation.

APPLICATIONS

- Integral fixture motion and/or photo sensor with an HVAC signal output
- Fixture with integral vacancy sensor (requires a wall switch for manual on)
- Fixture with integral occupancy sensor requiring a wall switch override
- Undercabinet or cubicle fixture with integral occupancy sensor and manual on and off.

PRODUCT INFORMATION

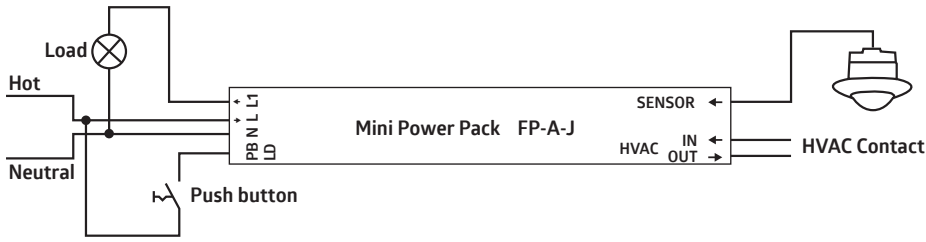
- Full-featured miniature power pack for use with low voltage MINI (97180, 97184, 97190, 97194) and FLAT (97032) "A" occupancy/daylight sensors. For future product compatibility, please contact B.E.G. Controls
- Designed for OEM integral fixture control applications
- Miniature case size accommodates limited fixture channel space
- Switch loads of up to 5A at 120V through 277V AC 50/60 Hz
- Low voltage HVAC relay contact closure output (normally-open, dry contact), 1A at 30V AC/DC
- Supports one primary sensor. Parallel connection of secondary sensors is not supported.
- Terminals accept a wide range of wire gauges. Line voltage terminals accept 12-20 AWG. Low voltage HVAC relay terminals accept 18 AWG. Solid copper wire recommended.
- Line voltage switch input to toggle lighting load relay and override sensor (normally open momentary dry contact)
- RJ-12 sensor connection port
- Status and fault LED for easy troubleshooting
- Manual (vacancy)/automatic (occupancy) modes and all other features are set via IR remote control through the sensor using our free Android and iOS apps (requires IR-ADAPTER, part number 92726 sold separately)
- Integral short circuit and thermal protection
- 5 years limited warranty
- ROHS and REACH compliant

TECHNICAL DETAILS

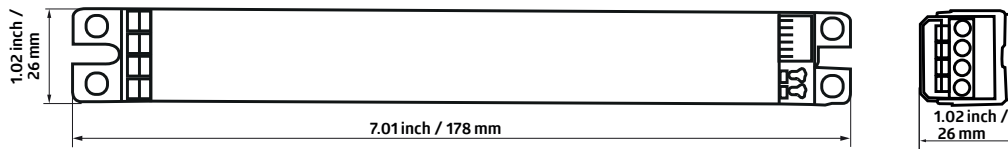
Type of controller:	1.B
Power Supply:	120-277 VAC, 60 Hz, AWG 12-20
Control input:	120-277 VAC, 60 Hz, AWG 12-20
Power consumption:	0.5 W
Max. rating	
Switching output Load:	5 Amp fluorescent and LED @ 120-277 VAC/ 60 Hz, AWG 12-20
Switching output HVAC:	HVAC control relay 1 Amp @ 30 V AC/DC, AWG 16-24
Protection	Suitable for indoor and dry locations only
Operating temperature:	23 °F to 113 °F / -5°C to + 45°C
Housing:	Bayblend FR3310TV+(Z)
Pollution degree:	2
Control Action:	Type 1
Dimensions:	7.01 x 1.02 x 1.02 inch / 178 x 26 x 26 mm
RJ-12 Sensor port:	MINI-P-PP-A-FC or FLAT-P-PP-A-FC
Mounting (ear holes):	6.625" on center x 0.5" on center
Mounting (ear slot):	6.5" on center
Weight:	2.6 Oz

Compliances: ETL listed for the U.S. and Canada (UL STD 60730-1 and CSA STD E60730-1). UL 2043 plenum rated.

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.