

Project name:		Type
Catalog number:		
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Fixture Sensor Power Pack FP-DIM-J

ORDERING INFORMATION

Product Code	Description	Color	Part Number
FP-DIM-J	Fixture sensor power pack, 0-10 V analog dimming, switch input, RJ-12 port for sensor connection	White	97081



TOP FEATURES

- Complete occupancy/daylight sensing and dimming solution for one MINI or FLAT sensor
- 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
- Parameters are selectable via IR remote control
- Multiple options for action upon vacancy to comply with codes, including partial-off at dim level
- Line voltage switch input to toggle and dim loads, and override or manually turn on sensor

DESCRIPTION

The FP-DIM-J power pack is a miniature, full-featured sensor 0-10 V analog dimming 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-DIM-J is also ideal for fixture retrofit applications. The power pack can switch 0-10 V analog dimmable loads of up to 5A at 120V through 277 V AC, with a DIM output rated for 10 mA of sourcing current. An optional line voltage momentary contact switch (i.e. PADDLE series) can be connected to the switch input to toggle and dim the load.

The minimal footprint accommodates the smallest and component-filled channels of today's luminaires. The FP-DIM-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 DIM with B.E.G. Controls FP-DIM-J power pack detects both motion and the ambient light level in the room, and then automates the lights according to the parameters set. When daylight regulation is enabled, the integrated light sensor in the MINI or FLAT 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. The target light level and motion time out period is set using a Smartphone App.

In automatic mode, when motion is detected the load relay will switch the lights on, and then after the set time out period if motion is no longer detected will transition to a vacant state per the selected parameters.

While the load relay is on, a long press of the optional momentary contact switch will dim or raise the light level. Release and press and hold the momentary contact switch again to reverse the direction. After a time-out or manual off the light level will go to set target light level.

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

APPLICATIONS

- Integral low voltage fixture motion and/or photo sensor
- Motion/photocell switching and dimming control of a 0-10 V dimmable light fixture (LED, fluorescent)
- Sensor fixture requiring a wall switch override and dimming
- Undercabinet fixture with integral occupancy sensor and manual dimming.

TECHNICAL DETAILS

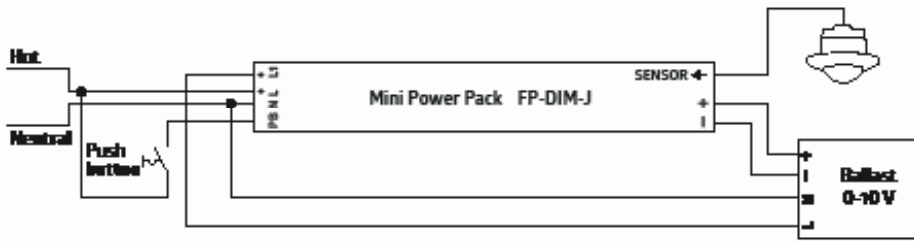
Type of controller:	1.B
Power Supply:	120-277 VAC, 60 Hz, AWG 12-20
Power consumption:	< 0.7 W
Max. rating	
Switching output load:	5 Amp fluorescent and LED @ 120-277 VAC/ 60 Hz, AWG 12-20
DIM output:	0-10 V DC analog, max. 4 EB, 2.4 mA, AWG 16-24
Control input:	120-277 VAC, 60 Hz, AWG 12-20
Operating temperature:	23 °F to 113 °F / -5°C to + 45°C
Housing:	Bayblend FR3310TV+(Z)
Protection:	Suitable for indoor use and dry locations only
Pollution degree:	2
Control Action:	Type 1
Dimensions:	7.01 x 1.02 x 1.02 inch / 178 x 26 x 26 mm
Mounting (ear holes):	6.625" on center x 0.5" on center
Mounting (ear slot):	6.5" on center
Weight:	2.6 Oz
RJ-12 Sensor port:	MINI-P-PP-DIM-FC or FLAT-P-PP-DIM-FC

PRODUCT INFORMATION

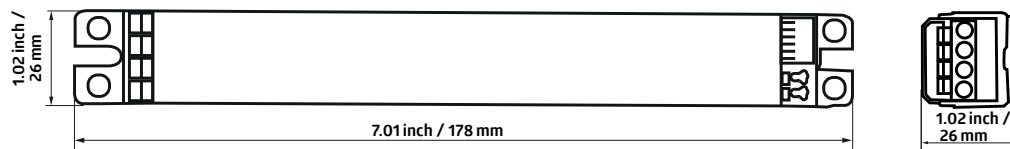
- Full-featured miniature power pack for use with low voltage MINI (97181, 97188, 97191, 97198) and FLAT (97041) "DIM" occupancy/daylight sensors. For future product compatibility, please contact B.E.G. Controls
- Designed for OEM integral fixture control applications
- Miniature case size accommodates limited fixture channel space
- Requires 0-10 V analog dimmable devices (i.e. LED drivers, fluorescent ballasts). The DIM output supplies up to 10 mA of sourcing current.
- 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 DIM terminals accept 16-24 AWG. Solid copper wire recommended.
- Line voltage switch input to toggle lighting load relay and dim/override sensor (normally open momentary dry contact)
- RJ-12 sensor connection port
- Status and fault LED for easy troubleshooting
- All 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)
- Actions upon motion detection: Automatic On
- Actions upon vacancy: Automatic-Off, Partial-Off at dim level, Timed Partial-Off at dim level then Automatic-Off
- Integral short circuit and thermal protection
- 5 years limited warranty
- ROHS and REACH compliant

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.