

# UL 924 BEACON



CATALOG #: \_\_\_\_\_

Type: \_\_\_\_\_

PROJECT: \_\_\_\_\_



## ORDERING EXAMPLE: AVI-ASSY-UL924-BEACON

Provides a simple and cost-effective means of detecting the presence or absence of normal power to trigger emergency lighting modes in compliance with UL 924 2022 emergency lighting requirements

**AVI-KIT-UL924-BEACON** Loose kit parts include AVI-B-SIM-12-24VDC-EA with a special UL 924 normal power beacon firmware and two AVI-PS-277-12-250 power supplies: one to power the SIM detector and one to provide the normal power sensing input from an AC line

**AVI-ASSY-UL924-BEACON** Kit parts assembled into an enclosure

### FEATURES

- Sends a wireless signal to an emergency control device wired with an emergency-enabled Avi-on device to trigger the required controls override when there is a loss of normal power
- Accepts contact closure inputs from uninterruptible power supplies (UPS) or fire safety systems to trigger emergency lighting modes
- Triggers emergency conditions for up to an entire building of emergency lights
- SIM version is easy to use in low voltage installations or when installed in a metal enclosure
- Only a single detector is needed per transfer switch
- When used with the Avi-on XFAC in zone-based or individual fixture control applications, the addition of shunt relays can be completely avoided.

### SYSTEM REQUIREMENTS

- Williams fixtures with Avi-on wireless control
- Desktop & mobile apps

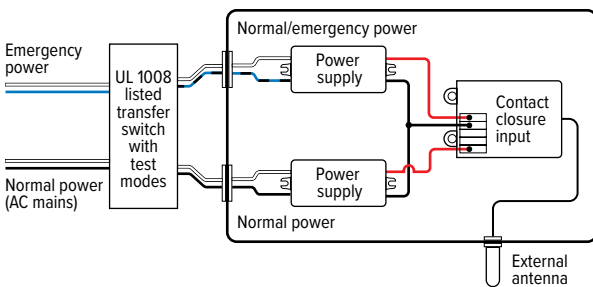
### SPECIFICATIONS

- **ELECTRICAL** – 12-24V or standard contact closure normal power sense (closed for normal power state, configurable to normally open). 17mA power consumption.
- **MOUNTING** – Kit fits in a 4x4 single depth IP rated junction box. Install in a location downstream of a UL 1008 emergency/normal power transfer switch (that includes test modes) in a convenient location to connect to both emergency and normal power sources.
- **ENVIRONMENT** – -22°F to 158°F ( -30°C to 70°C) operating temperature. 95% non-condensing.
- **COLOR** – White
- **LISTINGS** –
  - 2022 UL 924 revisions compliant
  - The Avi-on Lighting Control Platform is a DesignLights Consortium® NLC qualified product
  - Diamond Security Rated UL Verified IoT Device. Verified security claim V199254.

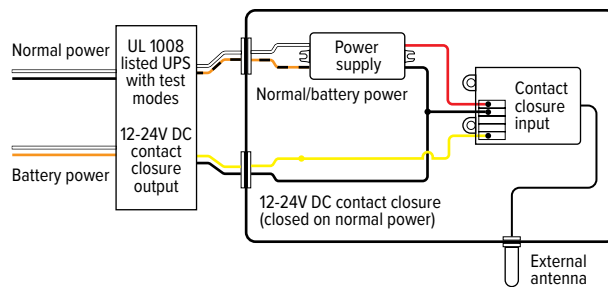
## DETAILS

### WIRING DIAGRAMS

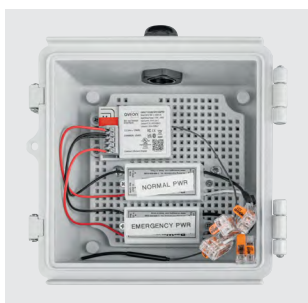
Typical Wiring with Transfer Switch



Typical Wiring with Always On UPS



### ASSEMBLY



Dimensions: 5-15/16" x 5-15/16" x 3-1/2"

### WARNING

- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Make sure all electrical power is turned off while installing.
- Must be adequately grounded for protection against shock hazards and to assure proper operation.
- Disconnect power before servicing.

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