

V-GUARDIAN ALERT

V-BBP V-Guardian Beacon

INTRODUCTION

The V-BBP V-Guardian Beacon is a component of the V-Guardian Alert system. It is a wireless beacon, using Bluetooth Low Energy technology, that provides location information to the V-Guardian Alert Badge.

Features

- Uses Bluetooth Low Energy technology
- Small, unobtrusive packaging
- Supervision capable (with additional components)
- Status LED



SPECIFICATIONS

Power Requirements

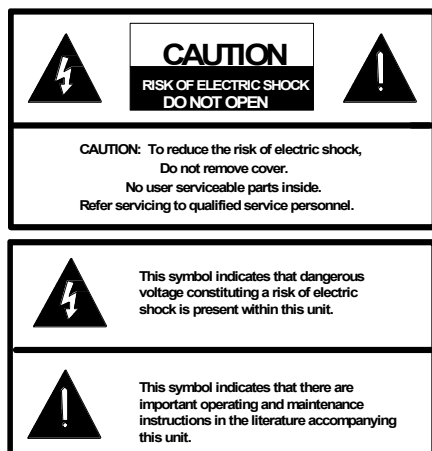
24Vdc, 50 mA

Dimensions/Weight

1.17" H x 2.12" Diam. (3.0cm H x 5.4cm Diam.)
Weight 0.1 lbs (45 g)

Environment

Temperature: 0 to +50°C
Humidity: 0 to 80% (non-precipitating)
Indoor installation only.



IMPORTANT SAFETY INFORMATION CONSIGNES DE SÉCURITÉ IMPORTANTES

1. Read these instructions.
Lisez ces instructions.
2. Keep these instructions.
Conservez ces instructions.
3. Heed all warnings.
Respectez tous les avertissements.
4. Follow all instructions.
Suivez toutes les instructions.
5. Do not use this apparatus near water.
Ne pas utiliser cet appareil près de l'eau.
6. Clean only with dry cloth.
Nettoyer avec un chiffon sec.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
Ne pas bloquer les ouvertures de ventilation. Installer conformément aux instructions du fabricant.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
Ne pas installer à proximité de sources de chaleur telles que radiateurs, registres de chaleur, poêles ou autres appareils (y compris les amplificateurs) produisant de la chaleur.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the provided plug does not fit into your outlet consult an electrician for replacement of the obsolete outlet.
Ne pas contourner le dispositif de sécurité de la fiche polarisée ou de mise à la terre. Une fiche polarisée possède deux lames dont une plus large que l'autre. Une fiche de terre a deux lames et une troisième broche de mise à la terre. La lame large et la troisième broche sont fournies pour votre sécurité. Si la fiche fournie ne rentre pas dans votre prise, veuillez consulter un électricien pour le remplacement de la prise obsolète.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
N'utilisez que des fixations / accessoires spécifiés par le fabricant.
12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
Utilisez uniquement avec le chariot, stand, trépied, support ou table spécifié par le fabricant ou vendu avec l'appareil. Quand un chariot est utilisé, soyez prudent lorsque vous déplacez l'ensemble chariot / appareil pour éviter des blessures dues au renversement.
13. Unplug this apparatus during lightning storms or when unused for a long period of time.
Débranchez cet appareil pendant les orages ou lorsqu'il n'est pas utilisé pendant une longue période de temps.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way. Such as when the power supply cord or plug is damaged, liquid has been spilled, objects have fallen into the apparatus or the apparatus has been exposed to rain or moisture and does not operate normally or has been dropped.
Confiez toute réparation à un personnel qualifié. Une réparation est nécessaire lorsque l'appareil a été endommagé de quelque façon. Par exemple lorsque le cordon d'alimentation ou la fiche est endommagée, du liquide a été renversé, si des objets sont tombés dans l'appareil ou le appareil a été exposé à la pluie ou à l'humidité et ne fonctionne pas normalement ou s'il est tombé.



Precautionary Designations

- **WARNING-To Reduce The Risk Of Fire Or Electric Shock. Do Not Expose This Apparatus To Rain Or Moisture**
- **AVERTISSEMENT - Afin de réduire les risques d'incendie ou de décharge électrique, évitez d'exposer le système à la pluie ou à l'humidité.**
- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- L'appareil ne doit pas être exposé à des égouttements et éclaboussures et aucun Objet Rempli de liquide, comme vase, ne doit être placé sur l'appareil.

FCC Information

Contains FCC ID: 2A094-MK14

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 - (1) This device may not cause harmful interference.
 - (2) This device must accept any interference received, including interference that may cause undesired operation.
2. any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

INSTALLATION

Mounting

The V-BBP can be wall or ceiling mounted. Before mounting, twist the cover of the V-BBP counterclockwise to separate the cover from the base.

Wall or other Hard Surface Mount: The base has screw holes at the top and bottom near the edge of the base. Route the power wires and (optional) supervision wiring through the base. If using surface wiring, a breakaway tab is provided at the top of the base to route the wiring into the base. Use appropriate screws (not provided) to attach the base to the surface. Refer to Figures 1A and 1B.

NOTE: The hole in the center of the base is for the V-BBMC-5 ceiling grid mounting clip. Do not use this hole for attachment with screws or other fasteners.

Suspended Ceiling Grid with V-BBMC: For suspended tile ceilings, optional mounting clips are available as part number V-BBMC-5 (5 pack). The clips facilitate mounting to the ceiling grid main beam or cross tee. Attach the V-BBMC clip to the ceiling grid following the instructions included with the V-BBMC. The V-BBP base is attached to the clip using the large hole in the center of the base. Position the hole in the base on the machine screw extending from the bottom of the clip. Use the threaded knob provided with the V-BBMC to secure the base to the clip. Route the wiring through the ceiling tile and base. See Figure 2.

Wiring Connections

Attach power wires and optional supervision wires to the screw terminals of the V-BBP using the connection diagram shown in Figure 3. Refer to the section for Installing Multiple Beacons for details on supervision wiring.

Supervision Jumper

If the V-BBP Beacon is connected to a VIP-BBH for wiring supervision, the supervision jumper (JP3) must be set properly. See the following instructions for Installing Multiple Beacons for details.

After the base has been securely mounted and wiring connections made, replace the cover on the base by lining up the tabs of the V-BBP cover with the slots in the base and twisting clockwise to secure. **Note:** The tabs and slots are different sizes so that the cover will only properly attach one way.

Installing Multiple Beacons

Multiple V-BBP Powered Beacons may be installed by daisy-chaining them from a power and supervision source. This is typically done using the VIP-BBH V-Guardian PoE Power Hub. The Hub provides power and supervision for up to 11 V-BBP Beacons.

Power connections are made in parallel from the 24vdc power source. Supervision wiring is made with two wires. A common (ground) is connected in parallel from the source to each V-BBP beacon. The signal wire is connected serially from the source to the "In" connection of the first Beacon, then from the "Out" connection of that Beacon to the "In" of the next Beacon in the line. See the diagram in Figures 3 & 5. The supervision jumper, JP3, is installed on the pair of pins furthest from the wire terminals for Beacons installed in-line. The last Beacon in the line requires the jumper to be moved to the two pins nearest to the wiring terminals. See the diagrams in Figure 4.

Setup and Status

Configuration of the V-BBP Beacon is performed using the cell phone application provided by Valcom, or through the Site Manager server. The V-BBP indicates it is receiving power by illuminating a Green LED, which is visible through the small hole in the center of the cover.

TECHNICAL ASSISTANCE

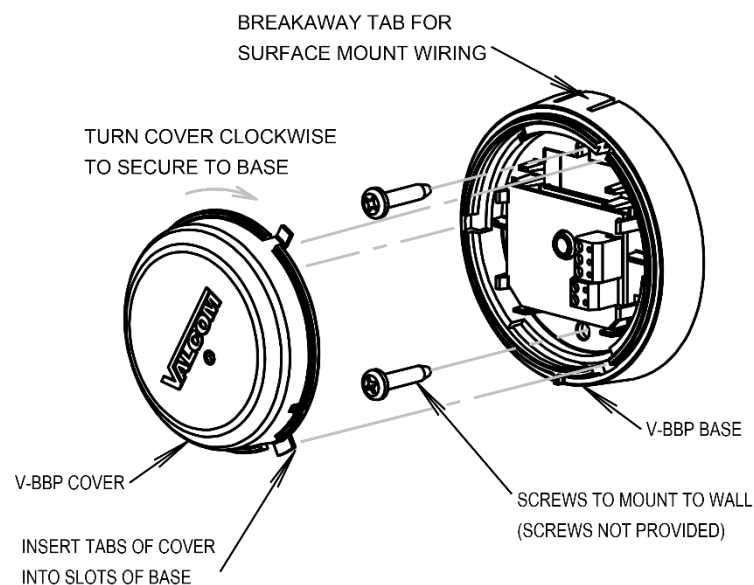


Figure 1A. Wall Mounting

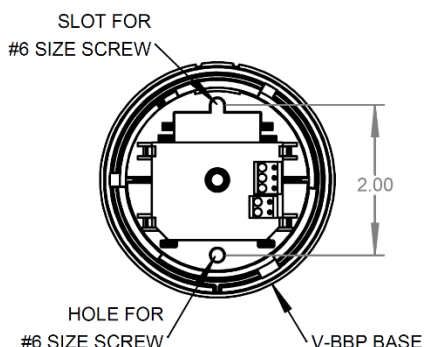


Figure 1B. Wall Mounting

When trouble is reported, verify that power is being supplied to the unit and there are no broken connections. If a spare unit is available, continue to troubleshoot by substituting the spare unit for the suspected defective unit.

Assistance in troubleshooting is available from the factory. When calling, you should have a VOM and other equipment necessary for troubleshooting. Call (540) 563-2000 or visit our website at <http://www.valcom.com>.

The V-BPP Beacon is not field repairable. Valcom, Inc. maintains service facilities in Roanoke, VA. Should repairs be necessary, attach the company name, address, phone number, contact person and the nature of the problem. Send the unit to:

Valcom, Inc.
Repair and Return Dept.
5614 Hollins Road
Roanoke, VA 24019-5056

WARRANTY

Warranty information may be found on our website at www.valcom.com/warranty

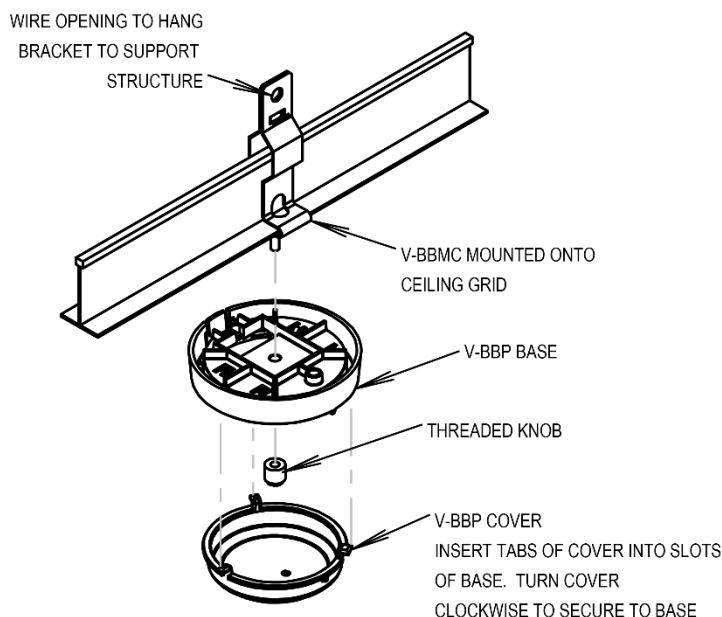


Figure 2. Ceiling Tile Mounting

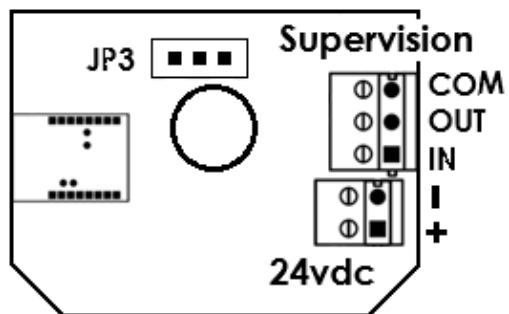


Figure 3. Wiring Connections

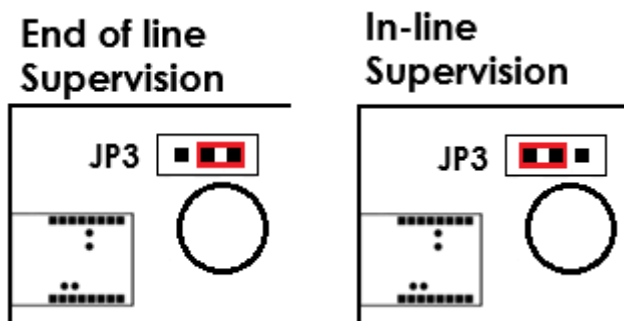


Figure 4. JP3 Jumper Setting

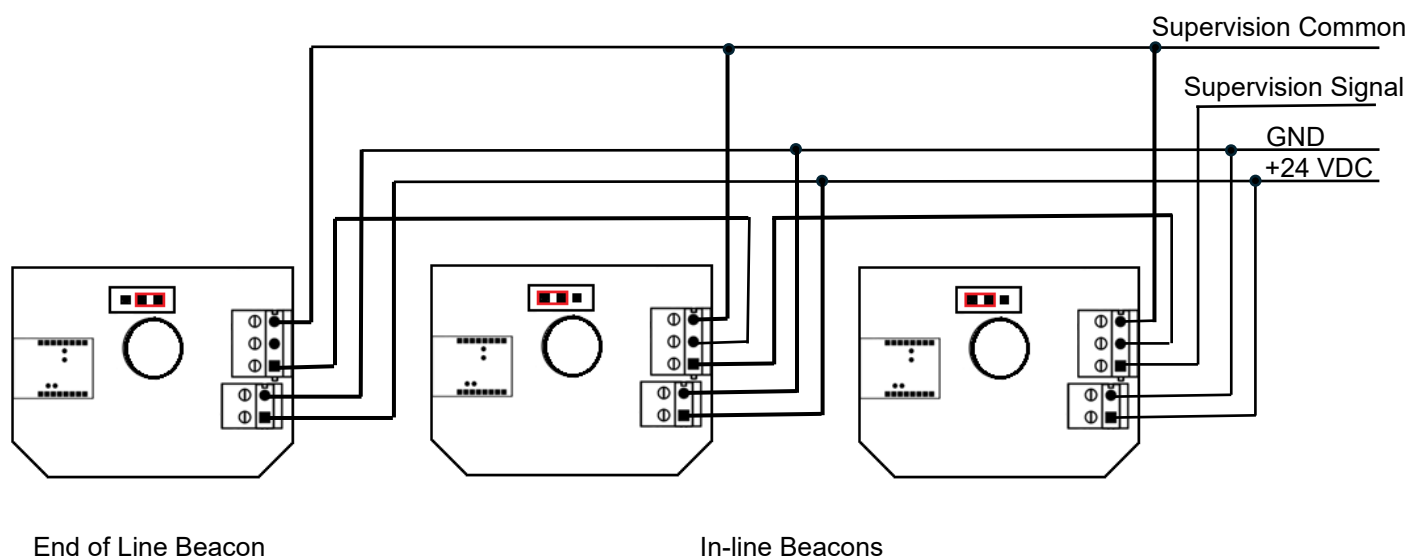


Figure 5. Multiple Beacons Daisy-chained with Supervision