

# BPE-50™

PHOTO BEAM WITH BATTERY  
POWERED TRANSMITTER

## Applications

The BPE-50 Battery-Powered Photo Beam system uses 12 -24 VDC/AC on the transmitter and receiver. The transmitter has the option of using the two 3.6 Volt batteries for power. The batteries are included.

Benefits include:

- The BPE-50 only requires one side wiring when used with the included optional batteries
- Power save option
- 90 degree adjustment left or right

# BPE-50



**EMX Industries, Inc.**

4564 Johnston Parkway, Cleveland, Ohio 44128

P. 800 426 9912 F. 216 518 9884

**Sales Inquiries:** [salesupport@emxinc.com](mailto:salesupport@emxinc.com) **Technical Support:** [technical@emxinc.com](mailto:technical@emxinc.com)  
[www.emxinc.com](http://www.emxinc.com)

## Features

- Detection range: 50 feet
- Detection Angle: +/- 5%
- Power Supply: 12-24 VDC 24 VAC (2-3.6 Volt Lithium Batteries for transmitter optional; included)
- Expected Battery Life: 2 years
- Size: 4.4" (112mm) x 2.05" (52mm) x 1.3" (33mm)



BPE-50-RX



BPE-50-TX

## Technical Data

<b>Power Supply</b>	12-24 VDC 24 VAC (2-3.6 Volt Lithium Batteries for transmitter optional /included) Expected battery life up to 2 years approx.
<b>Current Draw</b>	Current Draw
<b>Relay Type</b>	2 Form C DPST contact rating .5A @ 24VDC / 120VAC
<b>Temperature</b>	-20C – 55C
<b>Wavelength</b>	880 nm
<b>Frequency</b>	787 Hz
<b>Environmental</b>	IP 65
<b>Detect Indicator</b>	Red LED
<b>Connector</b>	Terminal block
<b>Relay contact</b>	0.5Amp
<b>Housing Material</b>	PA6 30% FG
<b>Size</b>	H 4.4in (112mm) x W 2.05in (52mm) x D 1.3in (33mm)
<b>Range</b>	Up to 50 feet
<b>Detection Angle</b>	+/- 5%
<b>Sensitivity</b>	Jumper J1 on receiver
<b>Detection delay</b>	< 30 ms
<b>Reset delay</b>	< 120 ms

## Ordering Information

- BPE-50™ Photo Beam with battery powered Transmitter

WARRANTY EMX INC. the product described herein for a period of 2 years under normal use and service from the date of sale to our customer. The product will be free from defects in material and workmanship. This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, or damage caused by the purchaser from incorrect connections, or lightning damage. There is no warranty of merchantability. There are no warranties expressed, implied or any affirmation of fact or representation which extend beyond the description set forth herein. EMX Inc. sole responsibility and liability, and purchaser's exclusive remedy shall be limited to the repair or replacement at EMX's option of a part or parts not so conforming to the warranty. In no event shall EMX Inc. be liable for damages of any nature, including incidental or consequential damages, including but, not limited to any damages resulting from non-conformity defect in material or workmanship. Rev 1.0 06/24/2013



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