

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

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

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