

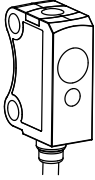
VS8 Series Opposed Mode Sensor



Datasheet

Sub-Miniature Opposed Mode Photoelectric Sensor

This guide is designed to help you set up and install the VS8. For complete information on programming, performance, troubleshooting, dimensions, and accessories, please refer to the Instruction Manual at www.bannerengineering.com. Search for p/n 201958 to view the Instruction Manual. Use of this document assumes familiarity with pertinent industry standards and practices.



- Sub-miniature sensor for installation in the smallest of spaces
- Red laser models provide bright, precise laser light spot for optimum small part detection
- High switching frequency for detection in even the fastest processes
- Beam inhibit on emitter can be used to test normal function of the opposed mode pair
- User-friendly operation using electronic push button or remote input provides reliable and precise detection
- Teach input on receiver adjusts switching threshold to optimize for small part detection
- Robust, glass-fiber-reinforced plastic housing
- PNP or NPN output, depending on model



WARNING: Not To Be Used for Personnel Protection

Never use this device as a sensing device for personnel **protection**. Doing so could lead to serious injury or death. This device does not include the self-checking redundant circuitry necessary to allow its use in personnel safety applications. A sensor failure or malfunction can cause either an energized or de-energized sensor output condition.



AVERTISSEMENT: Ne pas utiliser pour la protection de personnes

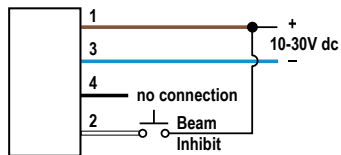
Ces produits ne doivent pas être **utilisés** comme systèmes de **détection** pour la **protection** de personnes. Une **utilisation** dans de telles **conditions** pourrait entraîner des dommages corporels graves, voire mortels. Ce produit n'est pas équipé du circuit redondant d'autodiagnostic nécessaire pour être utilisé dans des applications de protection personnelle. Une panne du capteur ou un mauvais fonctionnement peut entraîner l'activation ou la désactivation de la sortie.

Models

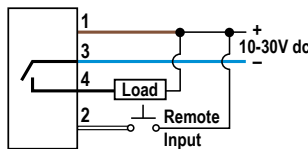
Model	Sensing Mode	Range	Output	Connection
VS8LEJ	Red Laser Emitter with Beam Inhibit	0 m to 3 m (0 in to 9.8 ft)	-	2 m (6.5 ft) unterminated 4-wire PUR cable
VS8LEJQ			-	200 mm (7.8 in) PUR cable with a 4-pin M8/Pico-style male quick disconnect (QD)
VS8EAPR	Receiver		PNP	2 m (6.5 ft) unterminated 4-wire PUR cable
VS8EANR			NPN	
VS8EAPRQ			PNP	200 mm (7.8 in) PUR cable with a 4-pin M8/Pico-style male quick disconnect (QD)
VS8EANRQ			NPN	

Wiring Diagrams

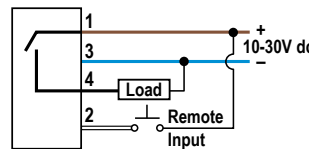
Emitter with Active High Beam Inhibit



NPN Models



PNP Models



Key

1. Brown
2. White
3. Blue
4. Black



