

Custom Product Supplemental Instructions

Custom Model: Q5PVDFCN-Q8, p/n 814983

This product has been modified from the standard product Q5XKLAF2000-Q8, p/n 803693. For standard product information, refer to p/n 208795 at www.bannerengineering.com, or contact Banner Engineering.

Modifications

Range	100 – 1000 mm (diffuse targets 6% to 90% reflectance) 100 – 500 mm (detect flat edge of quartz boat)
Operating Temperature Range	0 – 55°C normal operation, 65°C max for short durations
Environmental Rating	IP67
Channel 1 Output Function	Light Operate (LO), PNP Polarity
Channel 1 Teach Mode	Foreground Suppression (FGS, One-Point Window)
Channel 1 Set Point Distance	370 mm (± 10 mm accuracy), Setpoint should be taught in system with target to optimize for accuracy
Channel 1 Window Size	± 30 mm
Channel 2 Function	Laser Inhibit Input, PNP Polarity
Response Speed	25 ms (default)
Gain	High Excess Gain Mode (default)
Display Functionality	Display Off, Enters sleep mode after 60 seconds

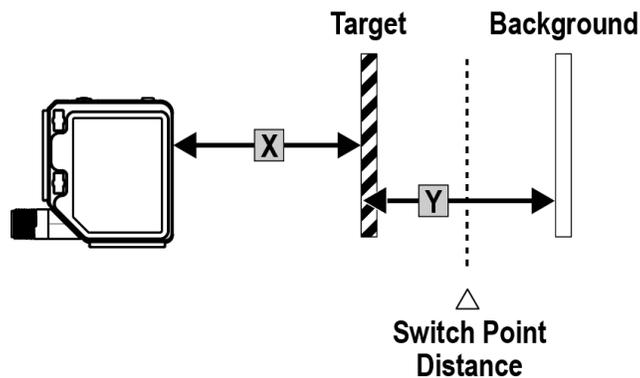


Figure 1: Minimum Object Separation Distance (90% to 6% reflectance)

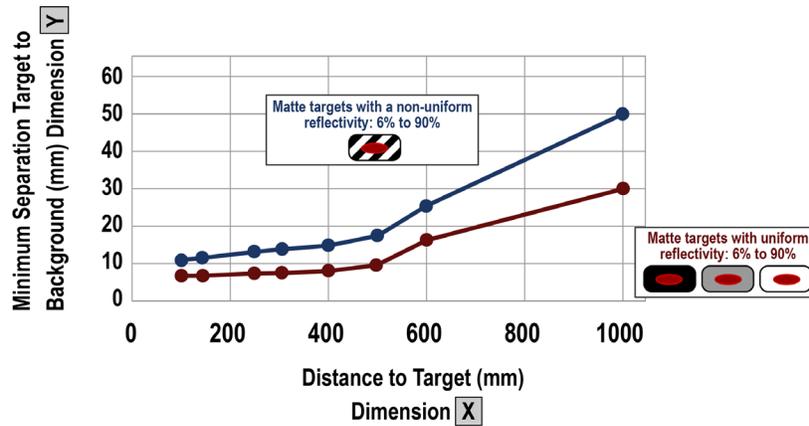


Figure 2: Minimum Object Separation (MOS) Specifications at Ambient Temperature

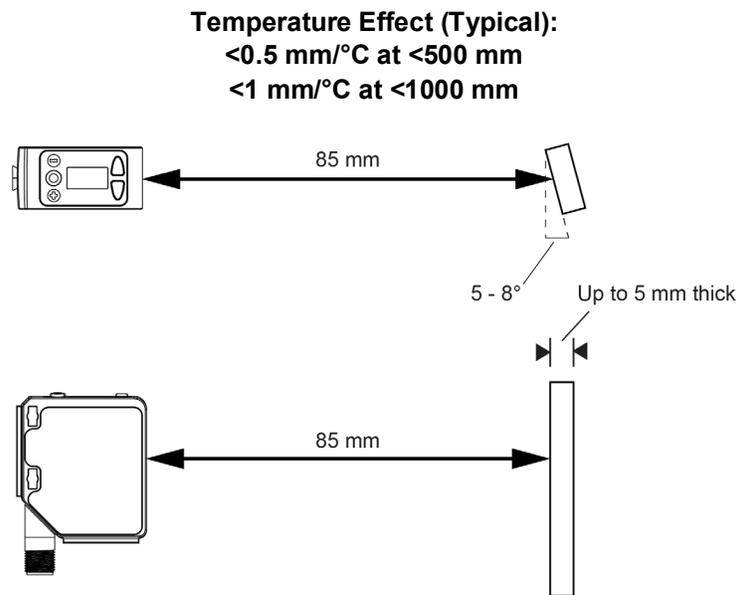


Figure 3: Sensor will ignore a transparent plate less than 5 mm when placed within 85 mm of the sensor and tilted at 5 to 8 degrees

Banner verifies this configuration and does not guarantee product performance in specific applications.

No cancelations and no returns (“NCNR”) on any accepted orders of Banner non-standard or custom products.

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WARNING:



- Do not use this device for personnel protection
- Using this device for personnel protection could result in serious injury or death.
- This device does not include the self-checking redundant circuitry necessary to allow its use in personnel safety applications. A device failure or malfunction can cause either an energized (on) or deenergized (off) output condition.

