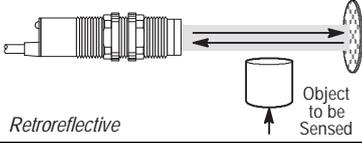
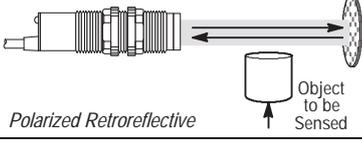
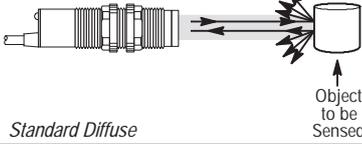
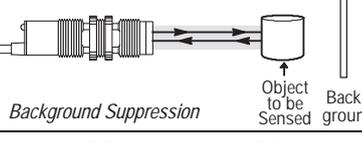
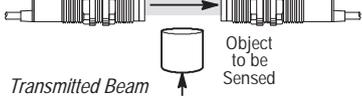


# 42CA General Purpose Photoelectric Sensors

## Product Selection

Sensing Mode	Sensing Range	Response Time	Output Energized	Sensitivity Adjustment	Cat. No. ❶
 Retroreflective	4.8 m (15.74 ft)	1 ms	Complementary light and dark operate	No	42CA-U2MPB-D4
	7.2 m (23.6 ft)	0.5 ms		Yes	42CA-U2MPA-D4
 Polarized Retroreflective	3.8 m (12.5 ft)	1 ms		No	42CA-P2MPB-D4
	 Standard Diffuse	100 mm (3.94 in.)		1 ms	Yes
400 mm (15.7 in.)		1 ms		Yes	42CA-D1MPAJ-D4
1000 mm (39.4 in.)		0.5 ms		Yes	42CA-D1MPAL-D4
 Background Suppression	50 mm (1.97 in.)	0.5 ms	Selectable light or dark operate	No	42CA-B2LPBC-D4 ❷
	100 mm (3.94 in.)	0.5 ms		No	42CA-B2LPBE-D4 ❷
 Transmitted Beam	16 m (52.5 ft)	NA	NA (Emitter)	No	42CA-E1EZB1-D4
		1 ms	Complementary light and dark operate	Yes	42CA-R1MPA1-D4

- ❶ Suffix -D4 denotes 4-pin DC micro connection type. For 2 m cable without QD replace suffix -D4 with -A2 (e.g. 42CA-P2MPB-A2).  
 All models shown in selection table above are PNP output versions. Replace the eighth digit (P) with N for NPN (example: 42CA-U2MNB-D4 is NPN).
- ❷ Refer to [www.ab.com/sensors](http://www.ab.com/sensors) for updated information.

## Cordsets and Accessories

Cordset		Accessories			
Description	Cat. No.	Description	Cat. No.	Description	Cat. No.
DC Micro QD Cordset, 4-pin, 2 m	889D-F4AC-2	Mounting Bracket	60-2657	Reflector	92-124
Right Angle DC Micro QD Cordset, 4-pin, 2 m	889D-R4AC-2	Straight Mounting Bracket	60-2656	Reflector	92-47
		Snap-Clamp Mounting Bracket	871A-SCBP18		
		Right Angle Mounting Bracket	60-2654		

[www.rockwellautomation.com](http://www.rockwellautomation.com)

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