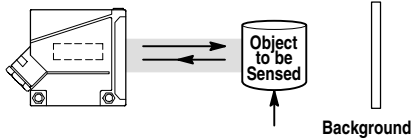


PHOTOSWITCH® Photoelectric Sensors

42BC Long Range Background Suppression



Specifications

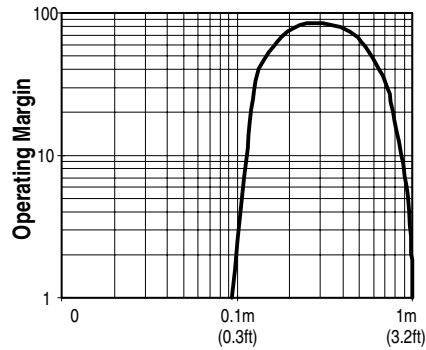
Field of View	3.5°
Minimum Sensing Distance	30mm (1.2in)
Emitter LED	Infrared 880nm

QD Cordsets and Accessories

DC Micro QD Cordset, Straight, 4-pin, 2m	889D-F4AC-2
AC Micro QD Cordset, Straight, 4-pin, 2m	889R-F4AEA-2
Pico QD Cordset, Straight, 4-pin, 2m	889P-F4AB-2
Other Cordsets Available	5-1, 5-44, 5-52
Mounting Assemblies	1-301

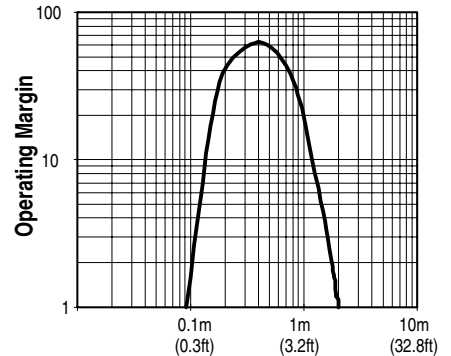
Typical Response Curves

1m Background Suppression



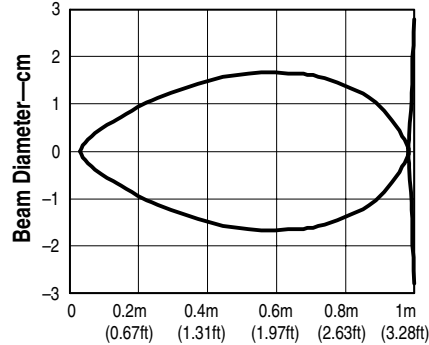
Operating Distance

2m Background Suppression

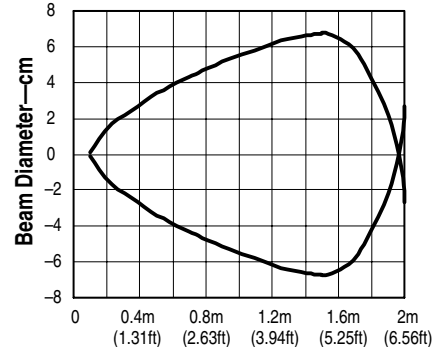


Operating Distance

Beam Patterns



Operating Distance



Operating Distance

Selection Guide

Operating Voltage Supply Current	Sensing Distance	Output Energized	Output Type Capacity Response Time	Max Leakage Current	Connection Type	Catalog Number
12–24V DC ±10% 30mA	1m (3.3ft)	Light/Dark Selectable	NPN/PNP Selectable 100mA 20ms	0.5mA	Screw terminals accepts up to (2) 16AWG (1.3mm sq.) conductors	42BC–B1LBAL–T4
	2m (6.6ft)					42BC–B1LBAN–T4
24–240V AC/DC ±10% 30mA (DC) 15mA (AC)	1m (3.3ft)		S.P.S.T. N.O. Relay 3A (250V AC, 750VA) 3A (30V DC, 90W) 30ms	—		42BC–B1CRAL–T4
	2m (6.6ft)					42BC–B1CRAN–T4