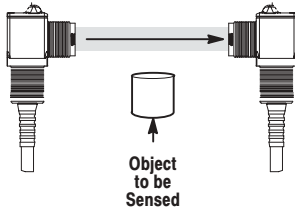


RightSight™ Transmitted Beam

Standard On/Off



Description

For most applications, transmitted beam sensing provides the most reliable operation. Transmitted beam sensing generally provides the highest operation margin, reducing the need for cleaning of sensor lenses or reflective targets. Transmitted beam sensing is also typically the best choice for sensing in difficult environments where dust, mist, and other contaminants are present.

RightSight transmitted beam sensors are available in both short and long ranges, 4m (13ft) and 20m (66ft), respectively. The short-range version is ideally suited for installation in high noise environments where the sensor will be mounted close to motor starters, variable speed drives and other high frequency devices. The long-range version should only be used when the sensing distance exceeds 4m (13ft).

Easily mounted slit apertures are available for use when sensing smaller objects at reduced ranges.

The beam pattern for a transmitted beam sensor represents the boundary within which the receiver responds to the emitter, assuming there is no angular misalignment. Angular misalignment between the emitter and receiver will decrease the size of the sensing area. Margins shown are achieved when sensors are used in matched operating voltage pairs, i.e., AC/DC emitter with AC/DC receiver or DC emitter with DC receiver.

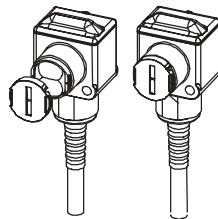
Specifications

Field of View	7°
Emitter LED	Infrared 880nm

QD Cordsets and Accessories

Description	Catalog Number
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
Apertures, 1mm slot	60-2660
Apertures, 2mm slot	60-2661
Apertures, 4mm slot	60-2662
Aperture set	60-2659
Mounting Bracket Swivel/Tilt	60-2649

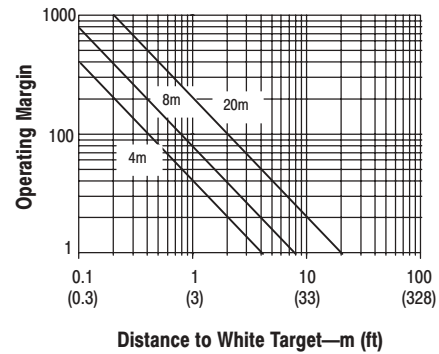
Apertures



Note: 18mm nut must be installed prior to installing aperture if threads on optics snout are to be used.

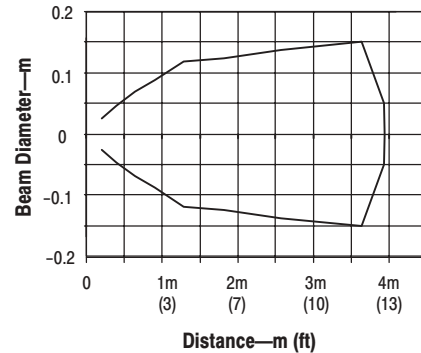
- 1mm Qty. 20 #60-2660
- 2mm Qty. 20 #60-2661
- 4mm Qty. 20 #60-2662
- Aperture Set (4 each) #60-2659

Typical Response Curve

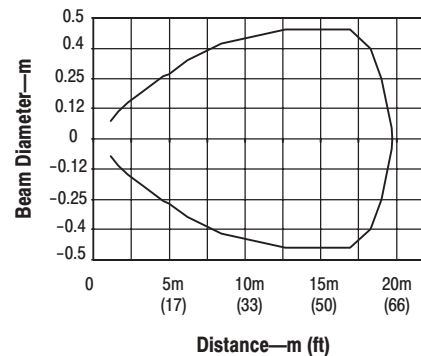


Beam Pattern

4m Receiver Models



20m Receiver Models



Product Selection for Light Sources

Operating Voltage Supply Current	Max Sensing Distance	Connection Type	Catalog Number
10.8-30V DC 25mA	Depends on Receiver	2m 300V cable	42EF-E1EZB-A2
		4-pin DC micro QD	42EF-E1EZB-F4
		4-pin pico QD	42EF-E1EZB-Y4
21.6-264V AC/DC 15mA		2m 300V cable	42EF-E1QZB-A2
		4-pin AC micro QD	42EF-E1QZB-G4

