



**Description**

Series 6000 photoelectric sensors provide reliable general purpose sensing in a compact package.

Each Series 6000 sensor has a single red output indicator. The Transmitted Beam Light Source has a red power indicator. Each sensor has a clutch-protected four-turn adjustment potentiometer.

Each sensor can be supplied with a 3m (9.8ft) four or five conductor PVC cable or with a 4-pin DC or AC micro-style quick disconnect on the end of a 300mm (12in) length cable (“pigtail”). Mating DC and AC micro-style quick disconnect cables are available, refer to page 7–1.

Low voltage DC sensors have both NPN and floating PNP outputs. Typical response is 1ms, and unique High Speed Diffuse and High Speed Fiber Optic versions offer a fast 200µs response time.

Two AC/DC versions are available. 20–132V AC/DC sensors offer a single 300mA Power MOSFET output. 20–264V AC/DC sensors offer a single 150mA Power MOSFET output. Light Operate or Dark Operate is selected by catalog number for all Series 6000 sensors.

A custom Swivel/Tilt mounting bracket is available for the Series 6000. This bracket allows the sensor to be tilted 10° in any direction and swiveled 360°. In addition, three different right angle steel mounting brackets are available, see page 1–375.

**General Specifications**

<b>Light Source</b>	See Product Selection
<b>Unit Protection</b>	Reverse Polarity, False Pulse
<b>Supply Voltage</b>	10–30V DC; 20–132V AC/DC; 20–264V AC/DC
<b>Current Consumption</b>	35mA maximum
<b>Output Type</b>	Both NPN and PNP (DC); MOSFET (AC/DC)
<b>Output Mode</b>	Light or dark operate by model
<b>Output Rating</b>	See Product Selection tables
<b>Response Time</b>	See Product Selection tables
<b>Housing Material</b>	Noryl
<b>Lens Material</b>	Acrylic
<b>LED Indicators</b>	See User Interface on page 1–242
<b>Connection Types</b>	3m 300V cable, 4-pin DC micro QD, 4-pin AC micro QD
<b>Supplied Accessories</b>	Mounting kit #129–106–1 and 129–106–2
<b>Optional Accessories</b>	Mounting brackets, reflectors, cordsets
<b>Operating Environment</b>	NEMA 3, 4X, 6, 12, 13 (IP67)
<b>Vibration</b>	10–55Hz, 1mm amplitude, meets or exceeds IEC 60947–5–2
<b>Shock</b>	30g with 1ms pulse duration, meets or exceeds IEC 60947–5–2
<b>Operating Temperature</b>	–40°C to +56°C (–40°F to +150°F)
<b>Relative Humidity</b>	95% max
<b>Approvals</b>	UL listed, CSA approved, and CE marked for all applicable directives

**Features**

- Compact cylindrical package
- Wide selection of sensing modes
- Universal supply voltage models
- Both NPN or PNP outputs (DC)
- Fast response time
- Variety of connection types

**Sensing Modes**

Retroreflective . . . . . page 1–244

Polarized Retroreflective . . . . . page 1–245

Retroreflective Code Reader . . . . . page 1–246

Standard Diffuse . . . . . page 1–247

Fixed Focus Diffuse . . . . . page 1–248

Sharp Cutoff Diffuse . . . . . page 1–249

Wide Angle Diffuse . . . . . page 1–250

Transmitted Beam . . . . . page 1–251

Infrared Glass Fiber Optic . . . . . page 1–252

Visible Red Plastic Fiber Optic . . . . . page 1–253

**General Information**

Wiring Diagrams . . . . . page 1–242

Dimensions . . . . . page 1–243

**Accessories**

Quick-Disconnect Cables . . . . . page 7–1

Mounting Brackets . . . . . page 1–375

Reflectors . . . . . page 1–385

**Series 6000**

**Compact Style**

**User Interface Panel**

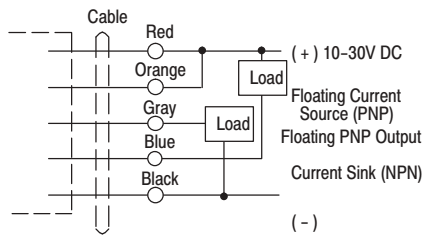
Label	Color	State	Status
Output	Red	OFF	Sensor output de-activated
		ON	Sensor output activated

**Wiring Diagrams**

**DC All Models Except Transmitted Beam Source and High Speed Diffuse**

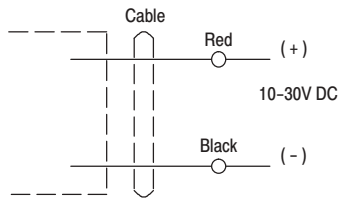
**Cable Version**

Models: 42SR\_6\_\_2 and 6\_\_3



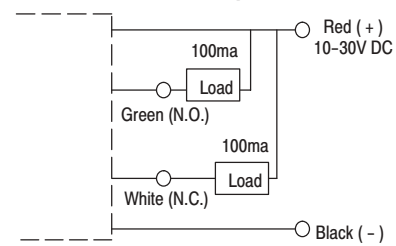
**Transmitted Beam Source (42SRL-6000)**

**Cable Version**



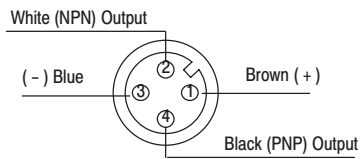
**High Speed Diffuse (42SRP-6302)**

**Cable Version—NPN Outputs**

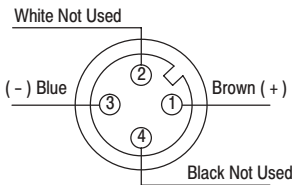


**Quick-Disconnect Versions**

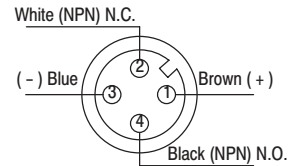
Models: 42SR\_6\_\_2-QD and 6\_\_3-QD



**Quick-Disconnect Version**



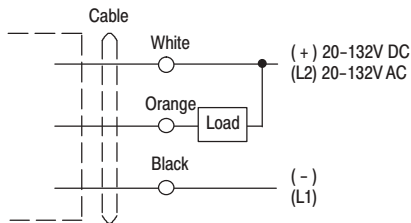
**Quick-Disconnect Version**



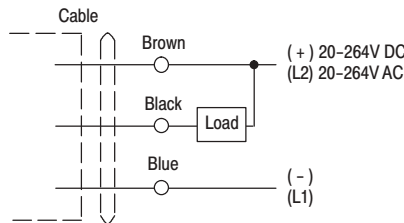
**AC/DC All Models Except Transmitted Beam Source**

**Cable Versions**

Models: 42SR\_6\_\_4 and 6\_\_5

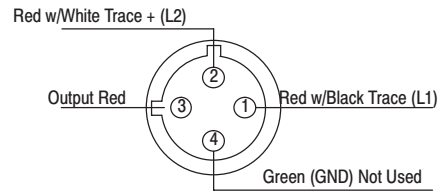


Models: 42SR\_6\_\_6 and 6\_\_7



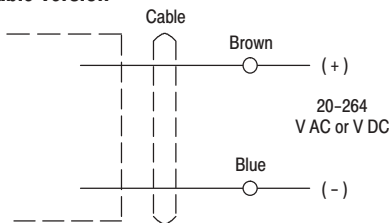
**Quick-Disconnect Versions**

Models: 42SR\_6\_\_4-QD thru 6\_\_7-QD

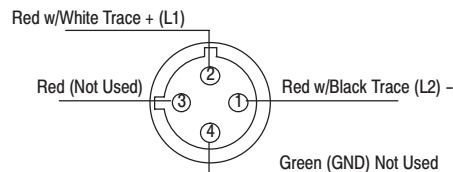


**Transmitted Beam Source (42SRL-6006)**

**Cable Version**



**Quick-Disconnect Version**



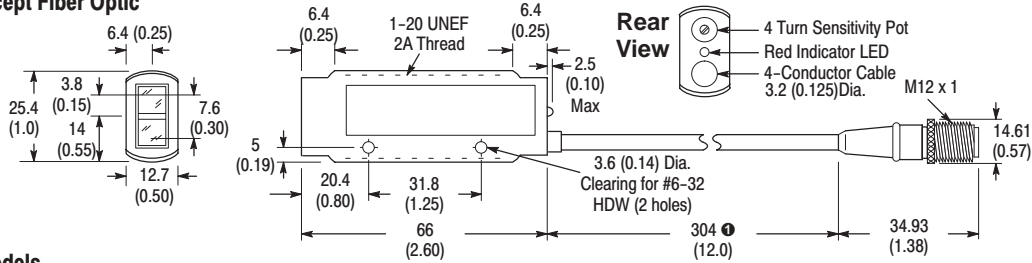
**Note:** Details regarding connection of Allen-Bradley Series 6000 photoelectric sensors to Allen-Bradley Programmable Controllers can be found in publication 42-2.0.

All wire colors shown refer to Allen-Bradley quick-disconnect cables.

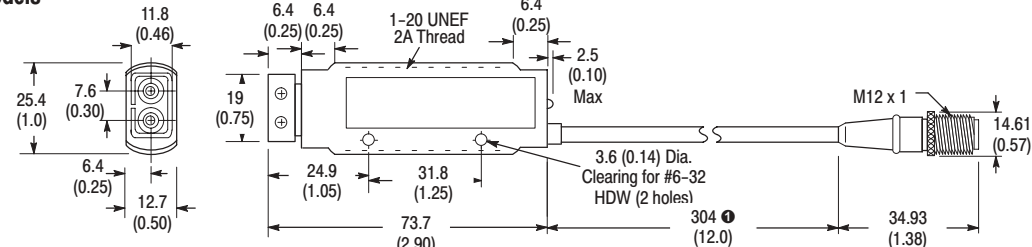
Dimensions—mm (inches)

DC Models

All Models Except Fiber Optic



Fiber Optic Models

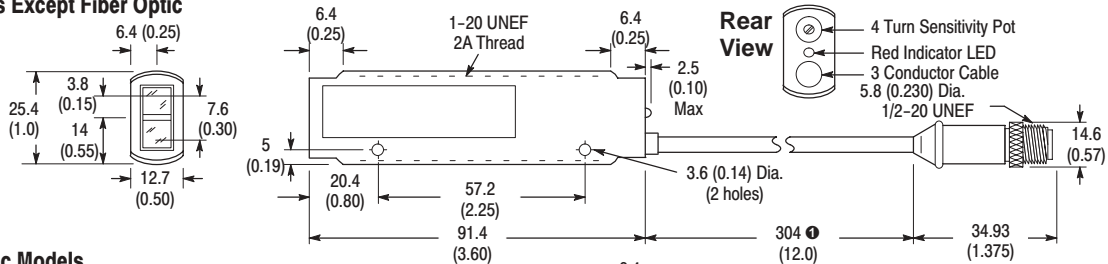


① Quick-disconnect cable length shown. Cable versions length is 10ft (3m).

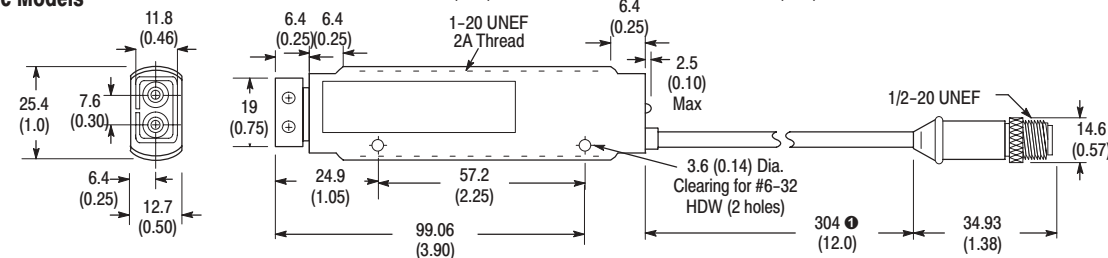
Connector Version

	Thread Size	
	AC	DC
Micro Style	1/2-20 UNF 2 Keyways	M12 x 1 1 Keyway

All Models Except Fiber Optic



Fiber Optic Models

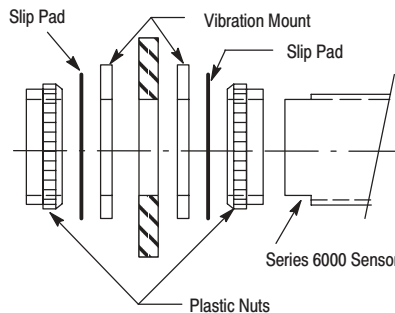


① Quick-disconnect cable length shown. Cable versions length is 10 ft (3m).

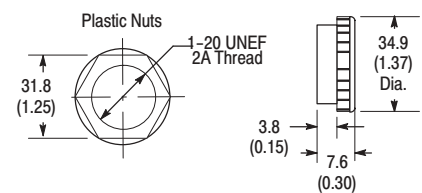
Supplied Accessories

Mounting Kit #129-106-1 contains 2 plastic nuts, anti-vibration mount, and slip pads.

Mounting Kit #129-106-2 contains 2 plastic nuts, anti-vibration mount, slip pads, and fiber optic mounting hardware.

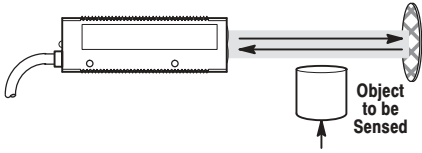


Plastic Nuts



**Series 6000 Retroreflective**

**Compact Style**



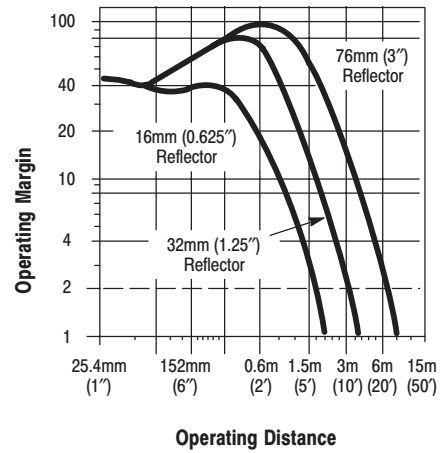
**Specifications**

<b>Field of View</b>	3°
<b>Emitter LED</b>	Infrared 880nm

**QD Cordsets and Accessories**

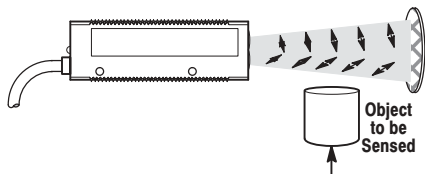
Description	Catalog or Page Number
2m (6.5ft) 4-pin DC Micro QD Cordset	<b>889D-F4AC-2</b>
2m (6.5ft) 4-pin AC Micro QD Cordset	<b>889R-F4AEA-2</b>
Other Cordsets	7-41, 7-68
Terminal Chambers	7-20
Mounting Brackets	<b>60-2618</b>
Right Angle Mirror	<b>60-2052</b>
76mm (3in) Diameter Reflector	<b>92-39</b>
32mm (1.25in) Diameter Reflector	<b>92-47</b>

**Typical Response Curve**



**Product Selection**

Operating Voltage Supply Current	Sensing Distance @ 1X Margin	Output Energized	Output Type Capacity Response Time	Max Leakage Current	Connection Type	Catalog Number
10-30V DC 35mA	25.4mm (1in) to 9m (30ft) with 76mm (3") Reflector	Light	NPN and PNP 200mA 1ms	1µA	3m cable	<b>42SRU-6002</b>
		Dark			4-pin DC micro QD	<b>42SRU-6002-QD</b>
20-132V AC/DC 50-60Hz 1.2VA		Light	Power MOSFET 300mA AC/DC 12ms AC, 5ms DC	1mA	3m cable	<b>42SRU-6003</b>
		Dark			4-pin DC micro QD	<b>42SRU-6003-QD</b>
		Light			3m cable	<b>42SRU-6004</b>
		Dark			4-pin AC micro QD	<b>42SRU-6004-QD</b>
20-264V AC/DC 50-60Hz 1.2VA	Light	Power MOSFET 150mA AC/DC 18ms AC, 10ms DC	1.5mA	3m cable	<b>42SRU-6005</b>	
	Dark			4-pin AC micro QD	<b>42SRU-6005-QD</b>	
	Light			3m cable	<b>42SRU-6006</b>	
	Dark			4-pin AC micro QD	<b>42SRU-6006-QD</b>	
					3m cable	<b>42SRU-6007</b>
					4-pin AC micro QD	<b>42SRU-6007-QD</b>



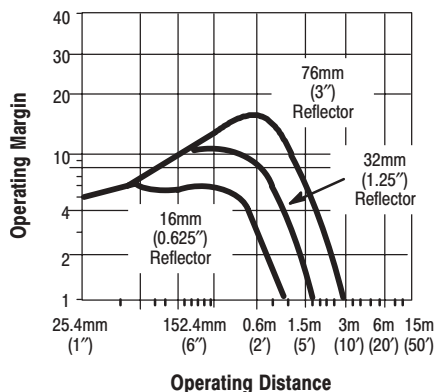
### Specifications

<b>Field of View</b>	3°
<b>Minimum Sensing Distance</b>	50.8mm (2in)
<b>Emitter LED</b>	Visible red 660nm
<b>Indicator LED</b>	Red: Output

### QD Cordsets and Accessories

Description	Catalog or Page Number
2m (6.5ft) 4-pin DC Micro QD Cordset	<b>889D-F4AC-2</b>
2m (6.5ft) 4-pin AC Micro QD Cordset	<b>889R-F4AEA-2</b>
Other Cordsets	7-41, 7-68
Terminal Chambers	7-20
Mounting Brackets	<b>60-2618</b>
Right Angle Mirror	<b>60-2052</b>
76mm (3in) Diameter Reflector	<b>92-39</b>
32mm (1.25in) Diameter Reflector	<b>92-47</b>

### Typical Response Curve

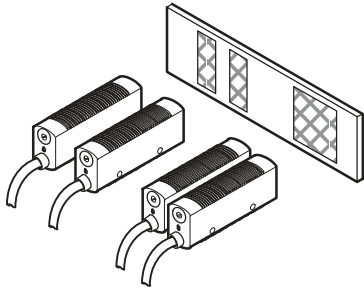


### Product Selection

Operating Voltage Supply Current	Sensing Distance @ 1X Margin	Output Energized	Output Type Capacity Response Time	Max Leakage Current	Connection Type	Catalog Number
10-30V DC 35mA	50.8mm (2in) to 3m (10ft) with 76mm (3") Reflector	Light	NPN and PNP 200mA 1ms	1µA	3m cable	<b>42SRU-6202</b>
		Dark			4-pin DC micro QD	<b>42SRU-6202-QD</b>
20-132V AC/DC 50-60Hz 1.2VA		Light	Power MOSFET 300mA AC/DC 12ms AC, 5ms DC	1mA	3m cable	<b>42SRU-6203</b>
					Dark	4-pin DC micro QD
		Light			3m cable	<b>42SRU-6204</b>
					Dark	4-pin AC micro QD
20-264V AC/DC 50-60Hz 1.2VA	Light	Power MOSFET 150mA AC/DC 18ms AC, 10ms DC	1.5mA	3m cable	<b>42SRU-6205</b>	
				Dark	4-pin AC micro QD	<b>42SRU-6205-QD</b>
	Light			3m cable	<b>42SRU-6206</b>	
				Dark	4-pin AC micro QD	<b>42SRU-6206-QD</b>
Light	3m cable	<b>42SRU-6207</b>				
	Dark	4-pin AC micro QD	<b>42SRU-6207-QD</b>			

# Series 6000 Retroreflective Code Reader

Compact Style

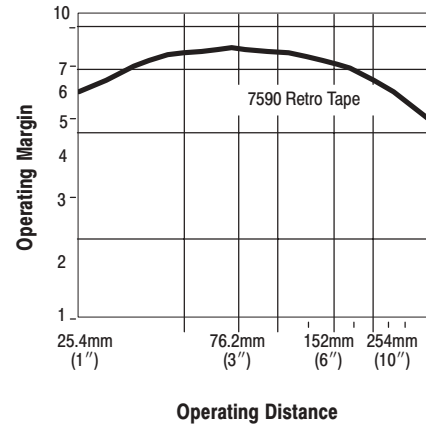


Designed to sense retroreflective tape marks arranged in geographic code pattern on a flat surface. Two models with different modulating frequencies permit close mounting without interference. Versions 6402 and 6412 differ in modulation frequency.

## QD Cordsets and Accessories

Description	Catalog or Page Number
2m (6.5ft) 4-pin DC Micro QD Cordset	<b>889D-F4AC-2</b>
2m (6.5ft) 4-pin AC Micro QD Cordset	<b>889R-F4AEA-2</b>
Other Cordsets	7-41, 7-68
Terminal Chambers	7-20
Mounting Brackets	<b>60-2618</b>
Right Angle Mirror	<b>60-2052</b>

## Typical Response Curve



## Specifications

Field of View	3°
Emitter LED	Visible red 660nm

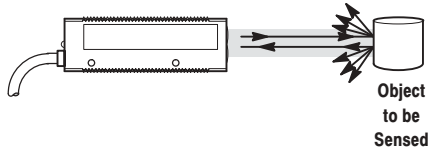
## Operating Distance with 7590 Retro Tape

0.25in Tape	25.4mm (1in)
0.5in Tapes	25.4mm - 78mm (1in - 3in)
0.75in Tapes	25.4mm - 101.6mm (1in - 4in)
1.0in Tapes	25.4mm - 254mm (1in - 10in)
1.5in Tapes	25.4mm - 254mm (1in - 10in)

## Product Selection

Operating Voltage Supply Current	Sensing Distance	Output Energized	Output Polarity	Response Time	Leakage Current	Connection Type	Catalog Number
10-30V DC 30mA	25mm (1.0in) to 254mm (10in)	7590	NPN and PNP	200mA 1.5ms	1µA	3m cable	<b>42SRU-6402</b>
						4-pin DC micro QD	<b>42SRU-6402-QD</b>
						3m cable	<b>42SRU-6412</b>
						4-pin DC micro QD	<b>42SRU-6412-QD</b>

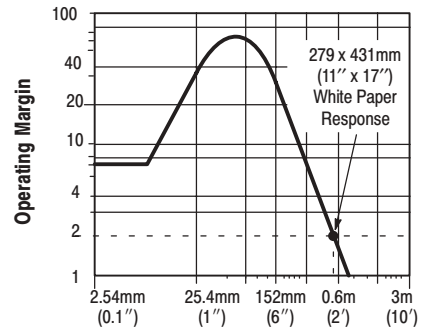
**IMPORTANT:** The Series 6000 Retroreflective Code Reader is an obsolete product.



### QD Cordsets and Accessories

Description	Catalog or Page Number
2m (6.5ft) 4-pin DC Micro QD Cordset	<b>889D-F4AC-2</b>
2m (6.5ft) 4-pin AC Micro QD Cordset	<b>889R-F4AEA-2</b>
Other Cordsets	7-41, 7-68
Terminal Chambers	7-20
Mounting Brackets	<b>60-2618</b>
Right Angle Mirror	<b>60-2052</b>

### Typical Response Curve



### Specifications

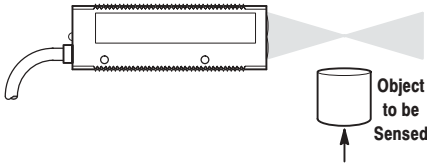
Field of View	7.5°
Emitter LED	Infrared 880nm

### Product Selection

Operating Voltage Supply Current	Sensing Distance @ 1X Margin	Output Energized	Output Type Capacity Response Time	Max Leakage Current	Connection Type	Catalog Number
10-30V DC 35mA	2.54mm (0.1in) to 760mm (30in) to White Paper	Light	NPN and PNP 200mA 1ms	1μA	3m cable	<b>42SRP-6002</b>
		Dark			4-pin DC micro QD	<b>42SRP-6002-QD</b>
20-132V AC/DC 50-60Hz 1.2VA		Light	Power MOSFET 300mA AC/DC 12ms AC, 5ms DC	1mA	3m cable	<b>42SRP-6003</b>
					4-pin DC micro QD	<b>42SRP-6003-QD</b>
		Dark			3m cable	<b>42SRP-6004</b>
					4-pin AC micro QD	<b>42SRP-6004-QD</b>
20-264V AC/DC 50-60Hz 1.2VA	Light	Power MOSFET 150mA AC/DC 18ms AC, 10ms DC	1.5mA	3m cable	<b>42SRP-6005</b>	
				4-pin AC micro QD	<b>42SRP-6005-QD</b>	
	Dark			3m cable	<b>42SRP-6006</b>	
				4-pin AC micro QD	<b>42SRP-6006-QD</b>	
					3m cable	<b>42SRP-6007</b>
					4-pin AC micro QD	<b>42SRP-6007-QD</b>

**Series 6000 Fixed Focus Diffuse**

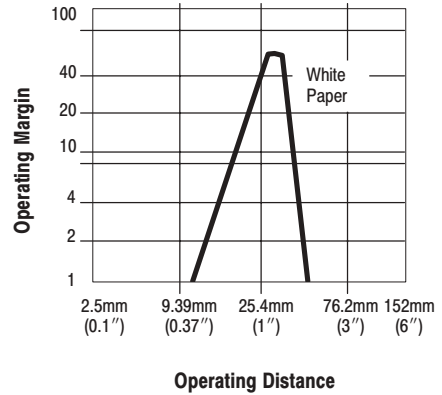
Compact Style



**QD Cordsets and Accessories**

Description	Catalog or Page Number
2m (6.5ft) 4-pin DC Micro QD Cordset	<b>889D-F4AC-2</b>
2m (6.5ft) 4-pin AC Micro QD Cordset	<b>889R-F4AEA-2</b>
Other Cordsets	7-41, 7-68
Terminal Chambers	7-20
Mounting Brackets	<b>60-2618</b>
Right Angle Mirror	<b>60-2052</b>

**Typical Response Curve**



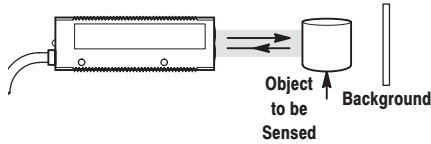
**Specifications**

<b>Field of View</b>	0.15cm (0.06in) square
<b>Emitter LED</b>	Visible red 660nm

**Product Selection**

Operating Voltage Supply Current	Max Sensing Distance @ 1X Margin	Output Energized	Output Type Capacity Response Time	Max Leakage Current	Connection Type	Catalog Number
10-30V DC 35mA	27.9mm (1.1in) to 28mm (1.1in) to White Paper	Light	NPN and PNP 200mA 1ms	1µA	3m cable	<b>42SRP-6022</b>
		Dark			4-pin DC micro QD	<b>42SRP-6022-QD</b>
20-132V AC/DC 50-60Hz 1.2VA		Light	Power MOSFET 300mA AC/DC 12ms AC, 5ms DC	1mA	3m cable	<b>42SRP-6023</b>
		Dark			4-pin DC micro QD	<b>42SRP-6023-QD</b>
		Light			3m cable	<b>42SRP-6024</b>
		Dark			4-pin AC micro QD	<b>42SRP-6024-QD</b>
20-264V AC/DC 50-60Hz 1.2VA	Light	Power MOSFET 150mA AC/DC 18ms AC, 10ms DC	1.5mA	3m cable	<b>42SRP-6025</b>	
	Dark			4-pin AC micro QD	<b>42SRP-6025-QD</b>	
	Light			3m cable	<b>42SRP-6026</b>	
	Dark			4-pin AC micro QD	<b>42SRP-6026-QD</b>	
					3m cable	<b>42SRP-6027</b>
					4-pin AC micro QD	<b>42SRP-6027-QD</b>





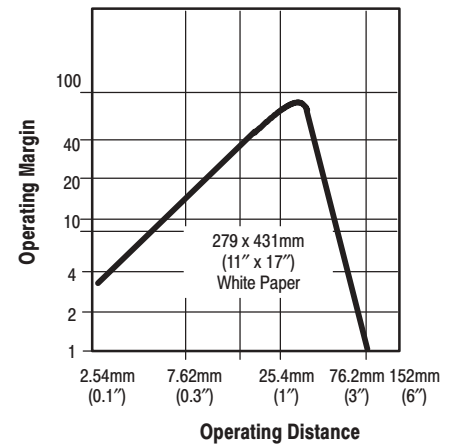
### Specifications

<b>Field of View</b>	7.5°
<b>Emitter LED</b>	Infrared 880nm

### QD Cordsets and Accessories

Description	Catalog or Page Number
2m (6.5ft) 4-pin DC Micro QD Cordset	<b>889D-F4AC-2</b>
2m (6.5ft) 4-pin AC Micro QD Cordset	<b>889R-F4AEA-2</b>
Other Cordsets	7-41, 7-68
Terminal Chambers	7-20
Mounting Brackets	<b>60-2618</b>
Right Angle Mirror	<b>60-2052</b>

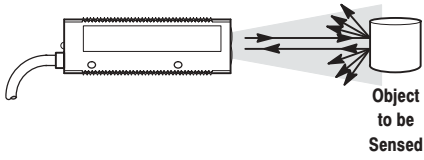
### Typical Response Curve



### Product Selection

Operating Voltage Supply Current	Sensing Distance @ 1X Margin	Output Energized	Output Type Capacity Response Time	Max Leakage Current	Connection Type	Catalog Number	
10-30V DC 35mA	5mm (0.2in) to 76mm (3in) to White Paper	Light	NPN and PNP 200mA 1ms	1μA	3m cable	<b>42SRP-6032</b>	
		Dark			4-pin DC micro QD	<b>42SRP-6032-QD</b>	
		Light	3m cable		<b>42SRP-6033</b>		
			4-pin DC micro QD		<b>42SRP-6033-QD</b>		
20-132V AC/DC 50-60Hz 1.2VA		5mm (0.2in) to 76mm (3in) to White Paper	Light	Power MOSFET 300mA AC/DC 12ms AC, 5ms DC	1mA	3m cable	<b>42SRP-6034</b>
			Dark			4-pin AC micro QD	<b>42SRP-6034-QD</b>
			Light	3m cable		<b>42SRP-6035</b>	
				4-pin AC micro QD		<b>42SRP-6035-QD</b>	
20-264V AC/DC 50-60Hz 1.2VA	5mm (0.2in) to 76mm (3in) to White Paper		Light	Power MOSFET 150mA AC/DC 18ms AC, 10ms DC	1.5mA	3m cable	<b>42SRP-6036</b>
			Dark			4-pin AC micro QD	<b>42SRP-6036-QD</b>
			Light	3m cable		<b>42SRP-6037</b>	
				4-pin AC micro QD		<b>42SRP-6037-QD</b>	

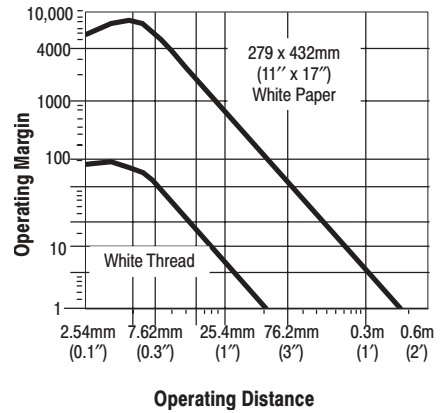
**PHOTOSWITCH® Photoelectric Sensors**  
**Series 6000 Wide Angle Diffuse**  
**Compact Style**



**QD Cordsets and Accessories**

Description	Catalog or Page Number
2m (6.5ft) 4-pin DC Micro QD Cordset	<b>889D-F4AC-2</b>
2m (6.5ft) 4-pin AC Micro QD Cordset	<b>889R-F4AEA-2</b>
Other Cordsets	7-41, 7-68
Terminal Chambers	7-20
Mounting Brackets	<b>60-2618</b>
Right Angle Mirror	<b>60-2052</b>

**Typical Response Curve**

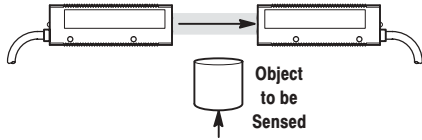


**Specifications**

Field of View	62°
Emitter LED	Infrared 880nm

**Product Selection**

Operating Voltage Supply Current	Sensing Distance @ 1X Margin	Output Energized	Output Type Capacity Response Time	Max Leakage Current	Connection Type	Catalog Number
10-30V DC 35mA	2.54mm (0.1in) to 380mm (15in) to White Paper	Light	NPN and PNP 200mA 1ms	1µA	3m cable	<b>42SRP-6012</b>
		Dark			4-pin DC micro QD	<b>42SRP-6012-QD</b>
20-132V AC/DC 50-60Hz 1.2VA		Light	Power MOSFET 300mA AC/DC 12ms AC, 5ms DC	1mA	3m cable	<b>42SRP-6013</b>
		Dark			4-pin DC micro QD	<b>42SRP-6013-QD</b>
		Light			3m cable	<b>42SRP-6014</b>
		Dark			4-pin AC micro QD	<b>42SRP-6014-QD</b>
20-264V AC/DC 50-60Hz 1.2VA	Light	Power MOSFET 150mA AC/DC 18ms AC, 10ms DC	1.5mA	3m cable	<b>42SRP-6015</b>	
	Dark			4-pin AC micro QD	<b>42SRP-6015-QD</b>	
	Light			3m cable	<b>42SRP-6016</b>	
	Dark			4-pin AC micro QD	<b>42SRP-6016-QD</b>	
					3m cable	<b>42SRP-6017</b>
					4-pin AC micro QD	<b>42SRP-6017-QD</b>



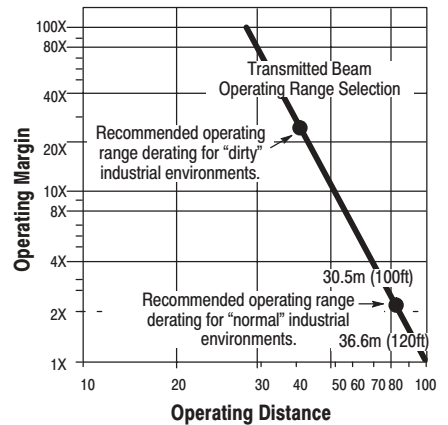
### Specifications

<b>Field of View</b>	7.5°
<b>Emitter LED</b>	Infrared 880nm

### QD Cordsets and Accessories

Description	Catalog or Page Number
2m (6.5ft) 4-pin DC Micro QD Cordset	<b>889D-F4AC-2</b>
2m (6.5ft) 4-pin AC Micro QD Cordset	<b>889R-F4AEA-2</b>
Other Cordsets	7-41, 7-68
Terminal Chambers	7-20
Mounting Brackets	<b>60-2618</b>
Right Angle Mirror	<b>60-2052</b>

### Typical Response Curve



### Product Selection for Light Source

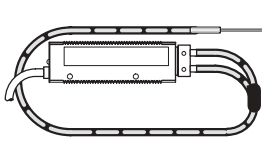
Operating Voltage Supply Current	Sensing Distance @ 1X Margin	Output Type Capacity Response Time	Max Leakage Current	Connection Type	Catalog Number
10-30V DC 15mA	2.54mm (0.1in) to 36.6m (120ft)	—	—	3m cable	<b>42SRL-6000</b>
				4-pin DC micro QD	<b>42SRL-6000-QD</b>
20-264V AC/DC 50-60Hz 1VA				3m cable	<b>42SRL-6006</b>
4-pin AC micro QD				<b>42SRL-6006-QD</b>	

### Product Selection for Receiver

Operating Voltage Supply Current	Output Energized	Output Type Capacity Response Time	Max Leakage Current	Connection Type	Catalog Number	
10-30V DC 15mA	Light	NPN and PNP 200mA 5ms	1μA	3m cable	<b>42SRR-6002</b>	
	Dark			4-pin DC micro QD	<b>42SRR-6002-QD</b>	
	20-264V AC/DC 50-60Hz 1VA			Light	3m cable	<b>42SRR-6003</b>
				Dark	4-pin DC micro QD	<b>42SRR-6003-QD</b>
20-264V AC/DC 50-60Hz 1VA	Light	Power MOSFET 300mA AC/DC 18ms AC, 10ms DC	1mA	3m cable	<b>42SRR-6006</b>	
	Dark			4-pin AC micro QD	<b>42SRR-6006-QD</b>	
	3m cable			<b>42SRR-6007</b>		
	4-pin AC micro QD			<b>42SRR-6007-QD</b>		

## Series 6000 Infrared Glass Fiber Optic

Compact Style



Object  
to be  
Sensed

### QD Cordsets and Accessories

Description	Catalog or Page Number
2m (6.5ft) 4-pin DC Micro QD Cordset	889D-F4AC-2
2m (6.5ft) 4-pin AC Micro QD Cordset	889R-F4AEA-2
Other Cordsets	7-41, 7-68
Terminal Chambers	7-20
Mounting Brackets	60-2618
Right Angle Mirror	60-2052

### Typical Response Curve

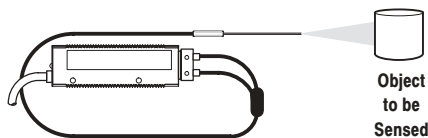
Depends on Glass or Plastic Fiber Optics selected. See Fiber Optic sections, page 1-292.

### Specifications

Field of View	Depends on Glass Fiber Optics selected. See Glass Fiber Optic section, page 1-295.
Emitter LED	Infrared 880nm

### Product Selection

Operating Voltage Supply Current	Sensing Distance @ 1X Margin	Output Energized	Output Type Capacity Response Time	Max Leakage Current	Connection Type	Catalog Number
10-30V DC 35mA	Depends on Fiber Optic cable selected	Light	NPN and PNP 200mA 1ms	1µA	3m cable	42SRF-6002
		Dark			4-pin DC micro QD	42SRF-6002-QD
		Light	3m cable		42SRF-6003	
			4-pin DC micro QD		42SRF-6003-QD	
20-132V AC/DC 50-60Hz 1.2VA		Light	Power MOSFET 300mA AC/DC 12ms AC, 5ms DC	1mA	3m cable	42SRF-6004
					4-pin AC micro QD	42SRF-6004-QD
		Dark			3m cable	42SRF-6005
					4-pin AC micro QD	42SRF-6005-QD
20-264V AC/DC 50-60Hz 1.2VA	Light	Power MOSFET 150mA AC/DC 18ms AC, 10ms DC		1.5mA	3m cable	42SRF-6006
					4-pin AC micro QD	42SRF-6006-QD
	Dark				3m cable	42SRF-6007
					4-pin AC micro QD	42SRF-6007-QD



### QD Cordsets and Accessories

Description	Catalog or Page Number
2m (6.5ft) 4-pin DC Micro QD Cordset	<b>889D-F4AC-2</b>
2m (6.5ft) 4-pin AC Micro QD Cordset	<b>889R-F4AEA-2</b>
Other Cordsets	7-41, 7-68
Terminal Chambers	7-20
Mounting Brackets	<b>60-2618</b>
Right Angle Mirror	<b>60-2052</b>

### Typical Response Curve

Depends on Glass Fiber Optics selected. See Series 5000 and 6000 Fiber Optic section, page 1-292.

### Specifications

<b>Field of View</b>	Depends on Plastic or Glass Fiber Optics selected. See Plastic Fiber Optic section, page 1-347 and Glass Fiber Optic section, page 1-295.
<b>Emitter LED</b>	Visible 660nm

### Product Selection

Operating Voltage Supply Current	Sensing Distance @ 1X Margin	Output Energized	Output Type Capacity Response Time	Max Leakage Current	Connection Type	Catalog Number	
10-30V DC 35mA		Light	NPN and PNP 200mA 1ms	1μA	3m cable	<b>42SRF-6102</b>	
		Dark			4-pin DC micro QD	<b>42SRF-6102-QD</b>	
		Light	Power MOSFET 300mA AC/DC 12ms AC, 5ms DC		1mA	3m cable	<b>42SRF-6103</b>
		Dark				4-pin DC micro QD	<b>42SRF-6103-QD</b>
20-132V AC/DC 50-60Hz 1.2VA	Depends on Glass or Plastic Fiber Optics selected	Light	Power MOSFET 150mA AC/DC 18ms AC, 10ms DC	1.5mA		3m cable	<b>42SRF-6104</b>
		Dark				4-pin AC micro QD	<b>42SRF-6104-QD</b>
		Light	Power MOSFET 150mA AC/DC 18ms AC, 10ms DC		1.5mA	3m cable	<b>42SRF-6105</b>
		Dark				4-pin AC micro QD	<b>42SRF-6105-QD</b>
20-264V AC/DC 50-60Hz 1.2VA		Light	Power MOSFET 150mA AC/DC 18ms AC, 10ms DC	1.5mA		3m cable	<b>42SRF-6106</b>
		Dark				4-pin AC micro QD	<b>42SRF-6106-QD</b>
		Light	Power MOSFET 150mA AC/DC 18ms AC, 10ms DC		1.5mA	3m cable	<b>42SRF-6107</b>
		Dark				4-pin AC micro QD	<b>42SRF-6107-QD</b>