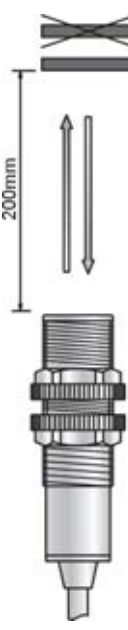



















Diffuse Mode with Background Suppression (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared: 880 nm  200mm Diffuse Mode with Background Suppression Sensing Distance: 200mm	 Cable 2m	10-30V DC	NPN	M30P-D0200N-CX9C4U2-BS
			PNP	M30P-D0200P-CX9C4U2-BS
		20-250V AC	Light Operate (2-wire)	M30P-D0200A-LX9C2U2-BS
			Dark Operate (2-wire)	M30P-D0200A-DX9C2U2-BS
			Light Operate (3-wire)	M30P-D0200A-LX9C3U2-BS
			Dark Operate (3-wire)	M30P-D0200A-DX9C3U2-BS
	12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30P-D0200C-LX9C2U2-BS	
		Dark Operate (2-wire)	M30P-D0200C-DX9C2U2-BS	
	 Cable 9m	10-30V DC	NPN	M30P-D0200N-CX9C4U9-BS
			PNP	M30P-D0200P-CX9C4U9-BS
		20-250V AC	Light Operate (2-wire)	M30P-D0200A-LX9C2U9-BS
			Dark Operate (2-wire)	M30P-D0200A-DX9C2U9-BS
Light Operate (3-wire)			M30P-D0200A-LX9C3U9-BS	
Dark Operate (3-wire)			M30P-D0200A-DX9C3U9-BS	
12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30P-D0200C-LX9C2U9-BS		
	Dark Operate (2-wire)	M30P-D0200C-DX9C2U9-BS		
 Quick Disconnect	10-30V DC	NPN	M30P-D0200N-CX9Q4UE-BS	
		PNP	M30P-D0200P-CX9Q4UE-BS	
	20-250V AC	Light Operate (2-wire)	M30P-D0200A-LX9Q4/2UM-BS	
		Dark Operate (2-wire)	M30P-D0200A-DX9Q4/2UM-BS	
		Light Operate (3-wire)	M30P-D0200A-LX9Q4UM-BS	
		Dark Operate (3-wire)	M30P-D0200A-DX9Q4UM-BS	
12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30P-D0200C-LX9Q4UM-BS		
	Dark Operate (2-wire)	M30P-D0200C-DX9Q4UM-BS		
 6" Pigtail	10-30V DC	NPN	M30P-D0200N-CX9P4UE-BS	
		PNP	M30P-D0200P-CX9P4UE-BS	
	20-250V AC	Light Operate (2-wire)	M30P-D0200A-LX9P4/2UM-BS	
		Dark Operate (2-wire)	M30P-D0200A-DX9P4/2UM-BS	
		Light Operate (3-wire)	M30P-D0200A-LX9P4UM-BS	
		Dark Operate (3-wire)	M30P-D0200A-DX9P4UM-BS	
12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30P-D0200C-LX9P4UM-BS		
	Dark Operate (2-wire)	M30P-D0200C-DX9P4UM-BS		






Diffuse Mode with Background Suppression (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
<p>Infrared: 880 nm</p>  <p>200mm</p>  <p>Diffuse Mode with Background Suppression Sensing Distance: 200mm</p>	 <p>Cable 2m</p>	10-30V DC	NPN	M30B-D0200N-CX9C4U2-BS	
			PNP	M30B-D0200P-CX9C4U2-BS	
		20-250V AC	Light Operate (2-wire)	M30B-D0200A-LX9C2U2-BS	
			Dark Operate (2-wire)	M30B-D0200A-DX9C2U2-BS	
			Light Operate (3-wire)	M30B-D0200A-LX9C3U2-BS	
			Dark Operate (3-wire)	M30B-D0200A-DX9C3U2-BS	
		12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30B-D0200C-LX9C2U2-BS	
			Dark Operate (2-wire)	M30B-D0200C-DX9C2U2-BS	
		 <p>Cable 9m</p>	10-30V DC	NPN	M30B-D0200N-CX9C4U9-BS
				PNP	M30B-D0200P-CX9C4U9-BS
	20-250V AC		Light Operate (2-wire)	M30B-D0200A-LX9C2U9-BS	
			Dark Operate (2-wire)	M30B-D0200A-DX9C2U9-BS	
			Light Operate (3-wire)	M30B-D0200A-LX9C3U9-BS	
			Dark Operate (3-wire)	M30B-D0200A-DX9C3U9-BS	
	12-240V DC/ 24-240V AC		Light Operate (2-wire)	M30B-D0200C-LX9C2U9-BS	
			Dark Operate (2-wire)	M30B-D0200C-DX9C2U9-BS	
	 <p>Quick Disconnect</p>		10-30V DC	NPN	M30B-D0200N-CX9Q4UE-BS
				PNP	M30B-D0200P-CX9Q4UE-BS
		20-250V AC	Light Operate (2-wire)	M30B-D0200A-LX9Q4/2UM-BS	
			Dark Operate (2-wire)	M30B-D0200A-DX9Q4/2UM-BS	
Light Operate (3-wire)			M30B-D0200A-LX9Q4UM-BS		
Dark Operate (3-wire)			M30B-D0200A-DX9Q4UM-BS		
12-240V DC/ 24-240V AC		Light Operate (2-wire)	M30B-D0200C-LX9Q4UM-BS		
		Dark Operate (2-wire)	M30B-D0200C-DX9Q4UM-BS		
 <p>6" Pigtail</p>		10-30V DC	NPN	M30B-D0200N-CX9P4UE-BS	
			PNP	M30B-D0200P-CX9P4UE-BS	
	20-250V AC	Light Operate (2-wire)	M30B-D0200A-LX9P4/2UM-BS		
		Dark Operate (2-wire)	M30B-D0200A-DX9P4/2UM-BS		
		Light Operate (3-wire)	M30B-D0200A-LX9P4UM-BS		
		Dark Operate (3-wire)	M30B-D0200A-DX9P4UM-BS		
	12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30B-D0200C-LX9P4UM-BS		
		Dark Operate (2-wire)	M30B-D0200C-DX9P4UM-BS		








Diffuse Mode with Background Suppression (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
Infrared: 880 nm	 Cable 2m	10-30V DC	NPN	M30P-D0400N-CX9C4U2-BS	
			PNP	M30P-D0400P-CX9C4U2-BS	
		20-250V AC	Light Operate (2-wire)	M30P-D0400A-LX9C2U2-BS	
			Dark Operate (2-wire)	M30P-D0400A-DX9C2U2-BS	
			Light Operate (3-wire)	M30P-D0400A-LX9C3U2-BS	
			Dark Operate (3-wire)	M30P-D0400A-DX9C3U2-BS	
	12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30P-D0400C-LX9C2U2-BS		
		Dark Operate (2-wire)	M30P-D0400C-DX9C2U2-BS		
	 Cable 9m	 Cable 9m	10-30V DC	NPN	M30P-D0400N-CX9C4U9-BS
				PNP	M30P-D0400P-CX9C4U9-BS
			20-250V AC	Light Operate (2-wire)	M30P-D0400A-LX9C2U9-BS
				Dark Operate (2-wire)	M30P-D0400A-DX9C2U9-BS
Light Operate (3-wire)				M30P-D0400A-LX9C3U9-BS	
Dark Operate (3-wire)				M30P-D0400A-DX9C3U9-BS	
12-240V DC/ 24-240V AC		Light Operate (2-wire)	M30P-D0400C-LX9C2U9-BS		
		Dark Operate (2-wire)	M30P-D0400C-DX9C2U9-BS		
 Quick Disconnect		 Quick Disconnect	10-30V DC	NPN	M30P-D0400N-CX9Q4UE-BS
				PNP	M30P-D0400P-CX9Q4UE-BS
			20-250V AC	Light Operate (2-wire)	M30P-D0400A-LX9Q4/2UM-BS
				Dark Operate (2-wire)	M30P-D0400A-DX9Q4/2UM-BS
	Light Operate (3-wire)			M30P-D0400A-LX9Q4UM-BS	
	Dark Operate (3-wire)			M30P-D0400A-DX9Q4UM-BS	
	12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30P-D0400C-LX9Q4UM-BS		
		Dark Operate (2-wire)	M30P-D0400C-DX9Q4UM-BS		
	 6" Pigtail	 6" Pigtail	10-30V DC	NPN	M30P-D0400N-CX9P4UE-BS
				PNP	M30P-D0400P-CX9P4UE-BS
			20-250V AC	Light Operate (2-wire)	M30P-D0400A-LX9P4/2UM-BS
				Dark Operate (2-wire)	M30P-D0400A-DX9P4/2UM-BS
Light Operate (3-wire)				M30P-D0400A-LX9P4UM-BS	
Dark Operate (3-wire)				M30P-D0400A-DX9P4UM-BS	
12-240V DC/ 24-240V AC		Light Operate (2-wire)	M30P-D0400C-LX9P4UM-BS		
		Dark Operate (2-wire)	M30P-D0400C-DX9P4UM-BS		






Diffuse Mode with Background Suppression (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
<p style="text-align: center;">Infrared: 880 nm</p>  <p style="text-align: center;">200mm</p> <p style="text-align: center;">Diffuse Mode with Background Suppression Sensing Distance: 400mm</p>	 <p style="text-align: center;">Cable 2m</p>	10-30V DC	NPN	M30B-D0400N-CX9C4U2-BS	
			PNP	M30B-D0400P-CX9C4U2-BS	
		20-250V AC	Light Operate (2-wire)	M30B-D0400A-LX9C2U2-BS	
			Dark Operate (2-wire)	M30B-D0400A-DX9C2U2-BS	
			Light Operate (3-wire)	M30B-D0400A-LX9C3U2-BS	
			Dark Operate (3-wire)	M30B-D0400A-DX9C3U2-BS	
		12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30B-D0400C-LX9C2U2-BS	
			Dark Operate (2-wire)	M30B-D0400C-DX9C2U2-BS	
		 <p style="text-align: center;">Cable 9m</p>	10-30V DC	NPN	M30B-D0400N-CX9C4U9-BS
				PNP	M30B-D0400P-CX9C4U9-BS
	20-250V AC		Light Operate (2-wire)	M30B-D0400A-LX9C2U9-BS	
			Dark Operate (2-wire)	M30B-D0400A-DX9C2U9-BS	
			Light Operate (3-wire)	M30B-D0400A-LX9C3U9-BS	
			Dark Operate (3-wire)	M30B-D0400A-DX9C3U9-BS	
	12-240V DC/ 24-240V AC		Light Operate (2-wire)	M30B-D0400C-LX9C2U9-BS	
			Dark Operate (2-wire)	M30B-D0400C-DX9C2U9-BS	
	 <p style="text-align: center;">Quick Disconnect</p>		10-30V DC	NPN	M30B-D0400N-CX9Q4UE-BS
				PNP	M30B-D0400P-CX9Q4UE-BS
		20-250V AC	Light Operate (2-wire)	M30B-D0400A-LX9Q4/2UM-BS	
			Dark Operate (2-wire)	M30B-D0400A-DX9Q4/2UM-BS	
Light Operate (3-wire)			M30B-D0400A-LX9Q4UM-BS		
Dark Operate (3-wire)			M30B-D0400A-DX9Q4UM-BS		
12-240V DC/ 24-240V AC		Light Operate (2-wire)	M30B-D0400C-LX9Q4UM-BS		
		Dark Operate (2-wire)	M30B-D0400C-DX9Q4UM-BS		
 <p style="text-align: center;">6" Pigtail</p>		10-30V DC	NPN	M30B-D0400N-CX9P4UE-BS	
			PNP	M30B-D0400P-CX9P4UE-BS	
	20-250V AC	Light Operate (2-wire)	M30B-D0400A-LX9P4/2UM-BS		
		Dark Operate (2-wire)	M30B-D0400A-DX9P4/2UM-BS		
		Light Operate (3-wire)	M30B-D0400A-LX9P4UM-BS		
		Dark Operate (3-wire)	M30B-D0400A-DX9P4UM-BS		
	12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30B-D0400C-LX9P4UM-BS		
		Dark Operate (2-wire)	M30B-D0400C-DX9P4UM-BS		

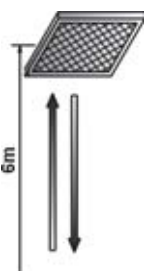





Diffuse Mode with Background Suppression (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
Infrared: 880 nm  600mm	 Cable 2m	10-30V DC	NPN	M30P-D0600N-CX9C4U2-BS	
			PNP	M30P-D0600P-CX9C4U2-BS	
		20-250V AC	Light Operate (2-wire)	M30P-D0600A-LX9C2U2-BS	
			Dark Operate (2-wire)	M30P-D0600A-DX9C2U2-BS	
			Light Operate (3-wire)	M30P-D0600A-LX9C3U2-BS	
			Dark Operate (3-wire)	M30P-D0600A-DX9C3U2-BS	
	12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30P-D0600C-LX9C2U2-BS		
		Dark Operate (2-wire)	M30P-D0600C-DX9C2U2-BS		
	Diffuse Mode with Background Suppression Sensing Distance: 600mm  600mm	 Cable 9m	10-30V DC	NPN	M30P-D0600N-CX9C4U9-BS
				PNP	M30P-D0600P-CX9C4U9-BS
			20-250V AC	Light Operate (2-wire)	M30P-D0600A-LX9C2U9-BS
				Dark Operate (2-wire)	M30P-D0600A-DX9C2U9-BS
Light Operate (3-wire)				M30P-D0600A-LX9C3U9-BS	
Dark Operate (3-wire)				M30P-D0600A-DX9C3U9-BS	
12-240V DC/ 24-240V AC		Light Operate (2-wire)	M30P-D0600C-LX9C2U9-BS		
		Dark Operate (2-wire)	M30P-D0600C-DX9C2U9-BS		
 Quick Disconnect		 Quick Disconnect	10-30V DC	NPN	M30P-D0600N-CX9Q4UE-BS
				PNP	M30P-D0600P-CX9Q4UE-BS
			20-250V AC	Light Operate (2-wire)	M30P-D0600A-LX9Q4/2UM-BS
				Dark Operate (2-wire)	M30P-D0600A-DX9Q4/2UM-BS
	Light Operate (3-wire)			M30P-D0600A-LX9Q4UM-BS	
	Dark Operate (3-wire)			M30P-D0600A-DX9Q4UM-BS	
	12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30P-D0600C-LX9Q4UM-BS		
		Dark Operate (2-wire)	M30P-D0600C-DX9Q4UM-BS		
	 6" Pigtail	10-30V DC	NPN	M30P-D0600N-CX9P4UE-BS	
			PNP	M30P-D0600P-CX9P4UE-BS	
		20-250V AC	Light Operate (2-wire)	M30P-D0600A-LX9P4/2UM-BS	
			Dark Operate (2-wire)	M30P-D0600A-DX9P4/2UM-BS	
Light Operate (3-wire)			M30P-D0600A-LX9P4UM-BS		
Dark Operate (3-wire)			M30P-D0600A-DX9P4UM-BS		
12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30P-D0600C-LX9P4UM-BS			
	Dark Operate (2-wire)	M30P-D0600C-DX9P4UM-BS			






Diffuse Mode with Background Suppression (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
Infrared: 880 nm  Diffuse Mode with Background Suppression Sensing Distance: 600mm	 Cable 2m	10-30V DC	NPN	M30B-D0600N-CX9C4U2-BS	
			PNP	M30B-D0600P-CX9C4U2-BS	
		20-250V AC	Light Operate (2-wire)	M30B-D0600A-LX9C2U2-BS	
			Dark Operate (2-wire)	M30B-D0600A-DX9C2U2-BS	
			Light Operate (3-wire)	M30B-D0600A-LX9C3U2-BS	
			Dark Operate (3-wire)	M30B-D0600A-DX9C3U2-BS	
		12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30B-D0600C-LX9C2U2-BS	
			Dark Operate (2-wire)	M30B-D0600C-DX9C2U2-BS	
		 Cable 9m	10-30V DC	NPN	M30B-D0600N-CX9C4U9-BS
				PNP	M30B-D0600P-CX9C4U9-BS
	20-250V AC		Light Operate (2-wire)	M30B-D0600A-LX9C2U9-BS	
			Dark Operate (2-wire)	M30B-D0600A-DX9C2U9-BS	
			Light Operate (3-wire)	M30B-D0600A-LX9C3U9-BS	
			Dark Operate (3-wire)	M30B-D0600A-DX9C3U9-BS	
	12-240V DC/ 24-240V AC		Light Operate (2-wire)	M30B-D0600C-LX9C2U9-BS	
			Dark Operate (2-wire)	M30B-D0600C-DX9C2U9-BS	
	 Quick Disconnect		10-30V DC	NPN	M30B-D0600N-CX9Q4UE-BS
				PNP	M30B-D0600P-CX9Q4UE-BS
		20-250V AC	Light Operate (2-wire)	M30B-D0600A-LX9Q4/2UM-BS	
			Dark Operate (2-wire)	M30B-D0600A-DX9Q4/2UM-BS	
Light Operate (3-wire)			M30B-D0600A-LX9Q4UM-BS		
Dark Operate (3-wire)			M30B-D0600A-DX9Q4UM-BS		
12-240V DC/ 24-240V AC		Light Operate (2-wire)	M30B-D0600C-LX9Q4UM-BS		
		Dark Operate (2-wire)	M30B-D0600C-DX9Q4UM-BS		
 6" Pigtail		10-30V DC	NPN	M30B-D0600N-CX9P4UE-BS	
			PNP	M30B-D0600P-CX9P4UE-BS	
	20-250V AC	Light Operate (2-wire)	M30B-D0600A-LX9P4/2UM-BS		
		Dark Operate (2-wire)	M30B-D0600A-DX9P4/2UM-BS		
		Light Operate (3-wire)	M30B-D0600A-LX9P4UM-BS		
		Dark Operate (3-wire)	M30B-D0600A-DX9P4UM-BS		
	12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30B-D0600C-LX9P4UM-BS		
		Dark Operate (2-wire)	M30B-D0600C-DX9P4UM-BS		

Retroreflective Mode with Polarizing Filter (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
<p>Visible red: 680 nm</p>  <p>6m</p>  <p>Retro-reflective Mode with Polarizing Filter Sensing Distance: 6m</p>	 <p>Cable 2m</p>	10-30V DC	NPN	M30P-L6000N-CX6C4U2-PF
			PNP	M30P-L6000P-CX6C4U2-PF
		20-250V AC	Light Operate (2-wire)	M30P-L6000A-LX6C2U2-PF
			Dark Operate (2-wire)	M30P-L6000A-DX6C2U2-PF
			Light Operate (3-wire)	M30P-L6000A-LX6C3U2-PF
			Dark Operate (3-wire)	M30P-L6000A-DX6C3U2-PF
	12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30P-L6000C-LX6C2U2-PF	
		Dark Operate (2-wire)	M30P-L6000C-DX6C2U2-PF	
	 <p>Cable 9m</p>	10-30V DC	NPN	M30P-L6000N-CX6C4U9-PF
			PNP	M30P-L6000P-CX6C4U9-PF
		20-250V AC	Light Operate (2-wire)	M30P-L6000A-LX6C2U9-PF
			Dark Operate (2-wire)	M30P-L6000A-DX6C2U9-PF
			Light Operate (3-wire)	M30P-L6000A-LX6C3U9-PF
			Dark Operate (3-wire)	M30P-L6000A-DX6C3U9-PF
	12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30P-L6000C-LX6C2U9-PF	
		Dark Operate (2-wire)	M30P-L6000C-DX6C2U9-PF	
	 <p>Quick Disconnect</p>	10-30V DC	NPN	M30P-L6000N-CX6Q4UE-PF
			PNP	M30P-L6000P-CX6Q4UE-PF
		20-250V AC	Light Operate (2-wire)	M30P-L6000A-LX6Q4/2UM-PF
			Dark Operate (2-wire)	M30P-L6000A-DX6Q4/2UM-PF
			Light Operate (3-wire)	M30P-L6000A-LX6Q4UM-PF
			Dark Operate (3-wire)	M30P-L6000A-DX6Q4UM-PF
	12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30P-L6000C-LX6Q4UM-PF	
		Dark Operate (2-wire)	M30P-L6000C-DX6Q4UM-PF	
 <p>6" Pigtail</p>	10-30V DC	NPN	M30P-L6000N-CX6P4UE-PF	
		PNP	M30P-L6000P-CX6P4UE-PF	
	20-250V AC	Light Operate (2-wire)	M30P-L6000A-LX6P4/2UM-PF	
		Dark Operate (2-wire)	M30P-L6000A-DX6P4/2UM-PF	
		Light Operate (3-wire)	M30P-L6000A-LX6P4UM-PF	
		Dark Operate (3-wire)	M30P-L6000A-DX6P4UM-PF	
12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30P-L6000C-LX6P4UM-PF		
	Dark Operate (2-wire)	M30P-L6000C-DX6P4UM-PF		

Retroreflective Mode with Polarizing Filter (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
<p>Visible red: 680 nm</p>  <p>6m</p> <p>Retro-reflective Mode with Polarizing Filter Sensing Distance:6m</p>	 <p>Cable 2m</p>	10-30V DC	NPN	M30B-L6000N-CX6C4U2-PF	
			PNP	M30B-L6000P-CX6C4U2-PF	
		20-250V AC	Light Operate (2-wire)	M30B-L6000A-LX6C2U2-PF	
			Dark Operate (2-wire)	M30B-L6000A-DX6C2U2-PF	
			Light Operate (3-wire)	M30B-L6000A-LX6C3U2-PF	
			Dark Operate (3-wire)	M30B-L6000A-DX6C3U2-PF	
		12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30B-L6000C-LX6C2U2-PF	
			Dark Operate (2-wire)	M30B-L6000C-DX6C2U2-PF	
		 <p>Cable 9m</p>	10-30V DC	NPN	M30B-L6000N-CX6C4U9-PF
				PNP	M30B-L6000P-CX6C4U9-PF
			20-250V AC	Light Operate (2-wire)	M30B-L6000A-LX6C2U9-PF
				Dark Operate (2-wire)	M30B-L6000A-DX6C2U9-PF
	Light Operate (3-wire)			M30B-L6000A-LX6C3U9-PF	
	Dark Operate (3-wire)			M30B-L6000A-DX6C3U9-PF	
	12-240V DC/ 24-240V AC		Light Operate (2-wire)	M30B-L6000C-LX6C2U9-PF	
			Dark Operate (2-wire)	M30B-L6000C-DX6C2U9-PF	
	 <p>Quick Disconnect</p>		10-30V DC	NPN	M30B-L6000N-CX6Q4UE-PF
				PNP	M30B-L6000P-CX6Q4UE-PF
			20-250V AC	Light Operate (2-wire)	M30B-L6000A-LX6Q4/2UM-PF
				Dark Operate (2-wire)	M30B-L6000A-DX6Q4/2UM-PF
Light Operate (3-wire)		M30B-L6000A-LX6Q4UM-PF			
Dark Operate (3-wire)		M30B-L6000A-DX6Q4UM-PF			
12-240V DC/ 24-240V AC		Light Operate (2-wire)	M30B-L6000C-LX6Q4UM-PF		
		Dark Operate (2-wire)	M30B-L6000C-DX6Q4UM-PF		
 <p>6" Pigtail</p>		10-30V DC	NPN	M30B-L6000N-CX6P4UE-PF	
			PNP	M30B-L6000P-CX6P4UE-PF	
		20-250V AC	Light Operate (2-wire)	M30B-L6000A-LX6P4/2UM-PF	
			Dark Operate (2-wire)	M30B-L6000A-DX6P4/2UM-PF	
	Light Operate (3-wire)		M30B-L6000A-LX6P4UM-PF		
	Dark Operate (3-wire)		M30B-L6000A-DX6P4UM-PF		
	12-240V DC/ 24-240V AC	Light Operate (2-wire)	M30B-L6000C-LX6P4UM-PF		
		Dark Operate (2-wire)	M30B-L6000C-DX6P4UM-PF		

Thru-beam Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
Infrared: 950 nm	Cable 2m	10-30V DC	Emitter	M30P-T060MD-EX9C2L2	
			NPN	M30P-T060MN-CX9C4U2	
			PNP	M30P-T060MP-CX9C4U2	
		20-250V AC	Emitter (2-wire)	M30P-T060MA-EX9C2L2	
			LightOperate (2-wire)	M30P-T060MA-LX9C2U2	
			DarkOperate (2-wire)	M30P-T060MA-DX9C2U2	
			LightOperate (3-wire)	M30P-T060MA-LX9C3U2	
		DarkOperate (3-wire)	M30P-T060MA-DX9C3U2		
			12-240V DC/ 24-240V AC	Emitter (2-wire)	M30P-T060MC-EX9C2L2
	LightOperate (2-wire)	M30P-T060MC-LX9C2U2			
	DarkOperate (2-wire)	M30P-T060MC-DX9C2U2			
	Thru-beam Mode Sensing Distance:60m	Cable 9m	10-30V DC	Emitter	M30P-T060MD-EX9C2L9
				NPN	M30P-T060MN-CX9C4U9
				PNP	M30P-T060MP-CX9C4U9
			20-250V AC	Emitter (2-wire)	M30P-T060MA-EX9C2L9
				LightOperate (2-wire)	M30P-T060MA-LX9C2U9
				DarkOperate (2-wire)	M30P-T060MA-DX9C2U9
				LightOperate (3-wire)	M30P-T060MA-LX9C3U9
DarkOperate (3-wire)			M30P-T060MA-DX9C3U9		
			12-240V DC/ 24-240V AC	Emitter (2-wire)	M30P-T060MC-EX9C2L9
LightOperate (2-wire)		M30P-T060MC-LX9C2U9			
DarkOperate (2-wire)		M30P-T060MC-DX9C2U9			
Quick Disconnect		6" Pigtail	10-30V DC	Emitter	M30P-T060MD-EX9Q4LE
				NPN	M30P-T060MN-CX9Q4UE
				PNP	M30P-T060MP-CX9Q4UE
			20-250V AC	Emitter (2-wire)	M30P-T060MA-EX9Q4LM
				LightOperate (2-wire)	M30P-T060MA-LX9Q4/2UM
				DarkOperate (2-wire)	M30P-T060MA-DX9Q4/2UM
				LightOperate (3-wire)	M30P-T060MA-LX9Q4UM
	DarkOperate (3-wire)		M30P-T060MA-DX9Q4UM		
			12-240V DC/ 24-240V AC	Emitter (2-wire)	M30P-T060MC-EX9Q4LM
	LightOperate (2-wire)	M30P-T060MC-LX9Q4UM			
	DarkOperate (2-wire)	M30P-T060MC-DX9Q4UM			
	6" Pigtail	6" Pigtail	10-30V DC	Emitter	M30P-T060MD-EX9P4LE
				NPN	M30P-T060MN-CX9P4UE
				PNP	M30P-T060MP-CX9P4UE
			20-250V AC	Emitter (2-wire)	M30P-T060MA-EX9P4LM
				LightOperate (2-wire)	M30P-T060MA-LX9P4/2UM
				DarkOperate (2-wire)	M30P-T060MA-DX9P4/2UM
				LightOperate (3-wire)	M30P-T060MA-LX9P4UM
DarkOperate (3-wire)			M30P-T060MA-DX9P4UM		
			12-240V DC/ 24-240V AC	Emitter (2-wire)	M30P-T060MC-EX9P4LM
LightOperate (2-wire)		M30P-T060MC-LX9P4UM			
DarkOperate (2-wire)		M30P-T060MC-DX9P4UM			

Thru-beam Mode (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
Infrared: 950 nm	Cable 2m	10-30V DC	Emitter	M30B-T060MD-EX9C2L2	
			NPN	M30B-T060MN-CX9C4U2	
			PNP	M30B-T060MP-CX9C4U2	
		20-250V AC	Emitter (2-wire)	M30B-T060MA-EX9C2L2	
			LightOperate (2-wire)	M30B-T060MA-LX9C2U2	
			DarkOperate (2-wire)	M30B-T060MA-DX9C2U2	
			LightOperate (3-wire)	M30B-T060MA-LX9C3U2	
		DarkOperate (3-wire)	M30B-T060MA-DX9C3U2		
			12-240V DC/ 24-240V AC	Emitter (2-wire)	M30B-T060MC-EX9C2L2
	LightOperate (2-wire)	M30B-T060MC-LX9C2U2			
	DarkOperate (2-wire)	M30B-T060MC-DX9C2U2			
	Thru-beam Mode Sensing Distance: 60m	Cable 9m	10-30V DC	Emitter	M30B-T060MD-EX9C2L9
				NPN	M30B-T060MN-CX9C4U9
				PNP	M30B-T060MP-CX9C4U9
			20-250V AC	Emitter (2-wire)	M30B-T060MA-EX9C2L9
LightOperate (2-wire)				M30B-T060MA-LX9C2U9	
DarkOperate (2-wire)				M30B-T060MA-DX9C2U9	
LightOperate (3-wire)				M30B-T060MA-LX9C3U9	
DarkOperate (3-wire)			M30B-T060MA-DX9C3U9		
			12-240V DC/ 24-240V AC	Emitter (2-wire)	M30B-T060MC-EX9C2L9
LightOperate (2-wire)		M30B-T060MC-LX9C2U9			
DarkOperate (2-wire)		M30B-T060MC-DX9C2U9			
Quick Disconnect		Quick Disconnect	10-30V DC	Emitter	M30B-T060MD-EX9Q4LE
				NPN	M30B-T060MN-CX9Q4UE
				PNP	M30B-T060MP-CX9Q4UE
			20-250V AC	Emitter (2-wire)	M30B-T060MA-EX9Q4LM
	LightOperate (2-wire)			M30B-T060MA-LX9Q4/2UM	
	DarkOperate (2-wire)			M30B-T060MA-DX9Q4/2UM	
	LightOperate (3-wire)			M30B-T060MA-LX9Q4UM	
	DarkOperate (3-wire)		M30B-T060MA-DX9Q4UM		
			12-240V DC/ 24-240V AC	Emitter (2-wire)	M30B-T060MC-EX9Q4LM
	LightOperate (2-wire)	M30B-T060MC-LX9Q4UM			
	DarkOperate (2-wire)	M30B-T060MC-DX9Q4UM			
	6" Pigtail	6" Pigtail	10-30V DC	Emitter	M30B-T060MD-EX9P4LE
				NPN	M30B-T060MN-CX9P4UE
				PNP	M30B-T060MP-CX9P4UE
			20-250V AC	Emitter (2-wire)	M30B-T060MA-EX9P4LM
LightOperate (2-wire)				M30B-T060MA-LX9P4/2UM	
DarkOperate (2-wire)				M30B-T060MA-DX9P4/2UM	
LightOperate (3-wire)				M30B-T060MA-LX9P4UM	
DarkOperate (3-wire)			M30B-T060MA-DX9P4UM		
			12-240V DC/ 24-240V AC	Emitter (2-wire)	M30B-T060MC-EX9P4LM
LightOperate (2-wire)		M30B-T060MC-LX9P4UM			
DarkOperate (2-wire)		M30B-T060MC-DX9P4UM			

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Specifications (DC)

Supply Voltage	10 - 30V DC (10% maximum ripple)
Current Consumption(no load)	<30 mA
Supply Protection Circuitry	Protected against reverse polarity and transient voltages
Output Protection Circuitry	Protected against false pulse on power-up and continuous overload or short circuit of outputs
Construction	Housing are thermoplastic polyester; Lenses are acrylic
Environmental Rating	IEC IP67 / NEMA 6P
Repeatability	Thru-beam: 375 microseconds; Polarized Retro, Non-Polarized Retro, Fixed-field and Diffuse modes: 750 microseconds.
Operating Temperature	Temperature: -40° to +70°C Maximum relative humidity: 90% at 50 °C (non-condensing)
Output Rating	150mA max.; When wired for alarm output, the total load may not exceed 150 mA; Off-state leakage current : <1 microamp at 30V DC; On-state saturation voltage: <1V @10 mA DC; <1.5V @ 150 mA DC
Output Response Time	Thru-beam: 3 milliseconds "on", 1.5 milliseconds "off"; Polarized Retro, Non-Polarized Retro, Fixed-field and Diffuse: 3 milliseconds "on" and "off" NOTE:100 millisecond delay on power-up;outputs are non-conducting during this time
Output Configuration	SPDT (complementary) solid-state dc switch; choose NPN or PNP models. Light Operate: N.O. output conducts when the sensor sees its own modulated light Dark Operate: N.C. output conducts when the sensor sees dark; the N.C. output may be wired as a normally open marginal signal alarm output, depending hookup to the power supply.
Indicators	Two LEDs: Green and Yellow GREEN glowing steadily = power to sensor is "on" YELLOW glowing steadily = normally open output is conducting
EMC	IEC 60947-5-2, Parts 7.2.6.1. 2. 3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)
Voltage Withstand Ability	IEC 60947-5-2, Part 8.3.3.4 or 1500VAC for one min, between all supply terminals connected together and enclosure
Insulation Resistance	>20M Ω , with 1500V AC megger between all supply terminals connected together and enclosure
Vibration Resistance	IEC 60947-5-2, Part 7.4.2 or 10-55HZ, 1.0mm amplitude in x , y and z directions for 30 min
Shock Resistance	IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each
Connections	2 m (6.5 ft) or 9 m (30 ft) attached cable, or 4-pin micro-style or pig-tail
Pigtail Type	See page Q-01 for cable and connect at pigtail

Specifications (AC)

Supply Voltage	20 - 250V AC(50/60 Hz)
Current Consumption(no load)	<1.8 mA
Supply Protection Circuitry	Protected against transient voltages
Output Protection Circuitry	Protected against false pulse on power-up
Construction	Housing are thermoplastic polyester; Lenses are acrylic
Environmental Rating	IEC IP67 / NEMA 6P
Repeatability	Thru-beam: 2 microseconds; Polarized Retro, Non-Polarized Retro, Fixed-field and Diffuse modes: 4 microseconds.
Operating Temperature	Temperature: -40° to +70°C Maximum relative humidity: 90% at 50 °C (non-condensing)
Output Response Time	Thru-beam: 16 milliseconds "on", 8 milliseconds "off"; Polarized Retro, Non-Polarized Retro, Fixed-field and Diffuse: 16 milliseconds "on" and "off" NOTE: 100 millisecond delay on power-up
Output Configuration	SPST solid-state AC switch; 2-wire hookup; choose light operate or dark operate mode: Light Operate Models: Output conducts when the sensor sees its own (or the emitter's) modulated light Dark Operate Models: Output conducts when sensor sees dark
Output Rating	300mA maximum Fixed-field models: derate 5 mA/°C above +50 °C (122 °C); Inrush capability: 1 amp for 20 milliseconds, non-repetitive Off-state leakage: current<1.8mA On-state voltage drop: 3V @ 300mA AC; 2V @ 15 mA AC
Indicators	Two LEDs: Green and Yellow GREEN glowing steadily = power to sensor is "on" GREEN flashing = output is overloaded (dc models only) YELLOW glowing steadily = normally open output is conducting
EMC	IEC 60947-5-2, Parts 7.2.6.1. 2. 3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)
Voltage Withstand Ability	IEC 60947-5-2, Part 8.3.3.4 or 1500VAC for one min, between all supply terminals connected together and enclosure
Insulation Resistance	>20M Ω , with 1500V AC megger between all supply terminals connected together and enclosure
Vibration Resistance	IEC 60947-5-2, Part 7.4.2 or 10-55HZ, 1.0mm amplitude in x , y and z directions for 30 min
Shock Resistance	IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each
Connections	2 m (6.5 ft) or 9 m (30 ft) attached cable, or 4-pin micro-style or pig-tail
Pigtail Type	See page Q-01 for cable and connect at pigtail

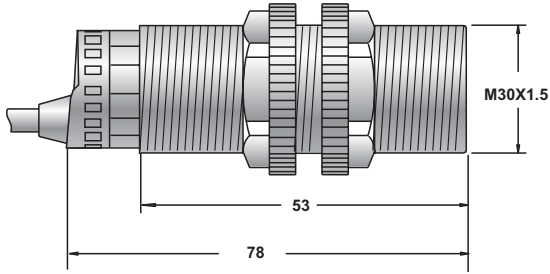
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Specifications (AC/DC)

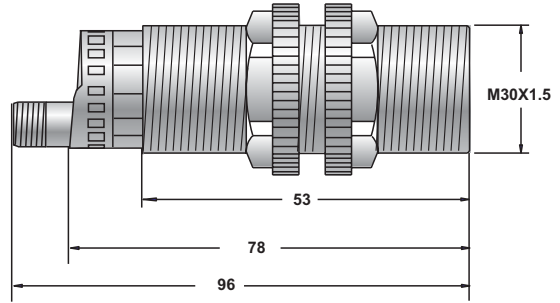
Supply Voltage	12-240V DC / 24-240V AC
Current Consumption(no load)	<1.8 mA @ AC, <30 mA @ DC
Supply Protection Circuitry	Protected against transient voltages
Output Protection Circuitry	Protected against false pulse on power-up
Construction	Housing are thermoplastic polyester; Lenses are acrylic
Environmental Rating	IEC IP67 / NEMA 6P
Repeatability	Thru-beam: 2 microseconds; Polarized Retro, Non-Polarized Retro, Fixed-field and Diffuse modes: 4 microseconds.
Operating Temperature	Temperature: -40° to +70°C Maximum relative humidity: 90% at 50 °C (non-condensing)
Output Response Time	Thru-beam: 16 milliseconds "on", 8 milliseconds "off"; Polarized Retro, Non-Polarized Retro, Fixed-field and Diffuse: 16 milliseconds "on" and "off" NOTE: 100 millisecond delay on power-up
Output Configuration	SPST solid-state AC switch; 2-wire hookup, choose light operate or dark operate mode; Light Operate Models: Output conducts when the sensor sees its own (or the emitter's) modulated light Dark Operate Models: Output conducts when sensor sees dark
Output Rating	300mA maximum Fixed-field models: derate 5 mA/°C above +50 °C (122 °C); Inrush capability : 1 amp for 20 milliseconds, non-repetitive Off-state leakage current: <1.8mA On-state voltage drop: 3V @ 300mA AC; 2V @ 15mA AC
Indicators	Two LEDs: Green and Yellow GREEN glowing steadily = power to sensor is "on" GREEN flashing = output is overloaded (dc models only) YELLOW glowing steadily = normally open output is conducting
EMC	IEC 60947-5-2, Parts 7.2.6.1. 2. 3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)
Voltage Withstand Ability	IEC 60947-5-2, Part 8.3.3.4 or 1500VAC for one min, between all supply terminals connected together and enclosure
Insulation Resistance	>20MΩ, with 1500V AC megger between all supply terminals connected together and enclosure
Vibration Resistance	IEC 60947-5-2, Part 7.4.2 or 10-55HZ, 1.0mm amplitude in x , y and z directions for 30 min
Shock Resistance	IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each
Connections	2 m (6.5 ft) or 9 m (30 ft) attached cable, or 4-pin micro-style or pig-tail
Pig tail Type	See page Q-01 for cable and connect at pig tail

Dimensions (Unit: mm)

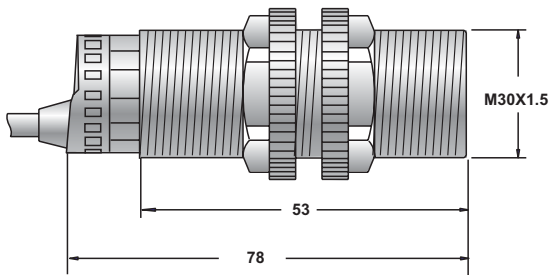
Cable (DC)



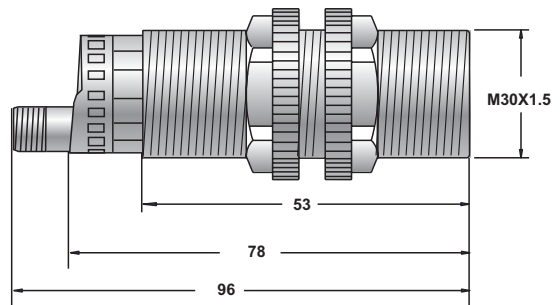
Quick Disconnect (DC)



Cable (AC and AC/DC)

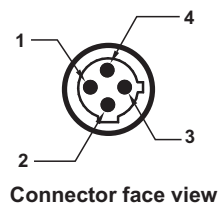
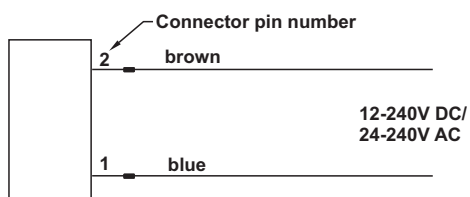


Quick Disconnect (AC and AC/DC)

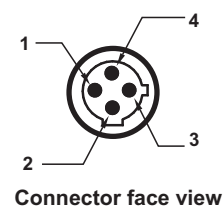
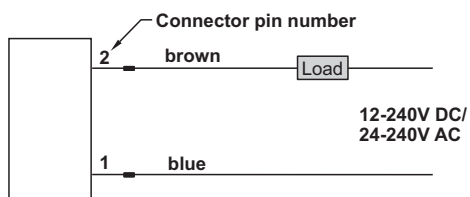


Connection Diagrams

Emitter (AC/DC) M12 connector (Micro style)



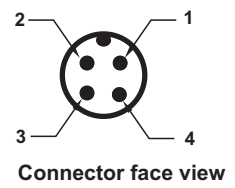
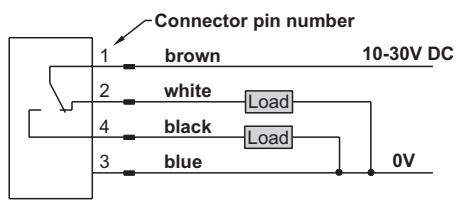
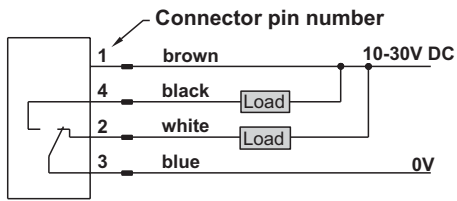
Receiver (AC/DC) M12 connector (Micro style)



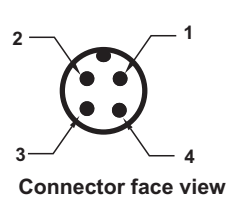
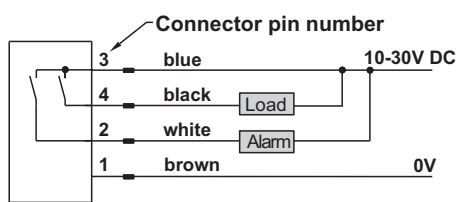
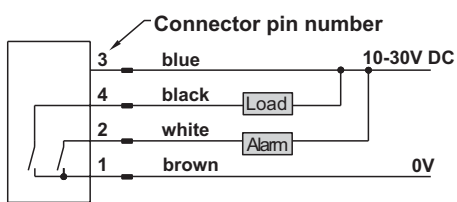
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Connection Diagrams

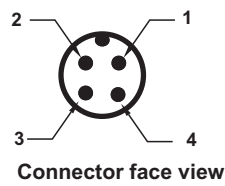
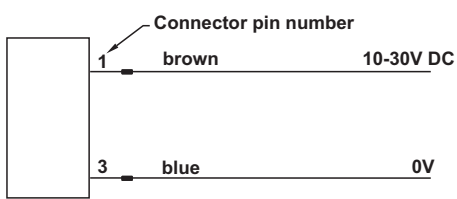
Standard Hookup NPN with cable PNP with cable M12 connector (Euro-style)



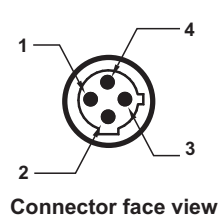
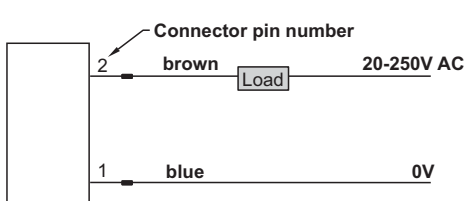
Alam Hookup NPN with cable PNP with cable M12 connector (Euro-style)



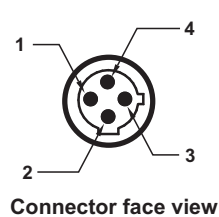
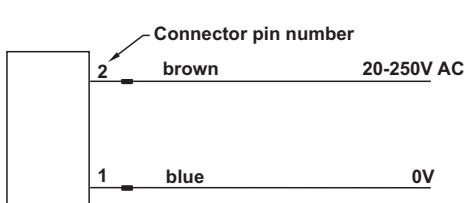
Emitter (DC) M12 connector (Euro-style)



Receiver (AC) M12 connector (Micro-style)

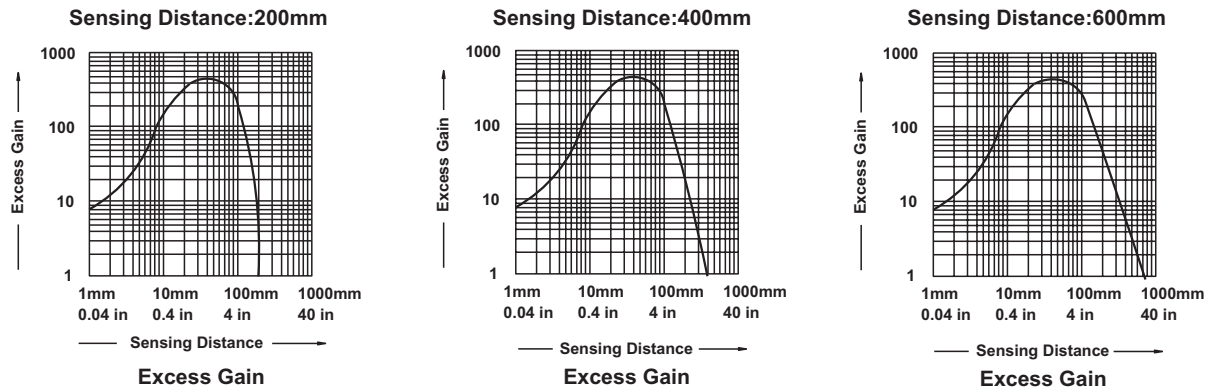


Emitter (AC) M12 connector (Micro-style)

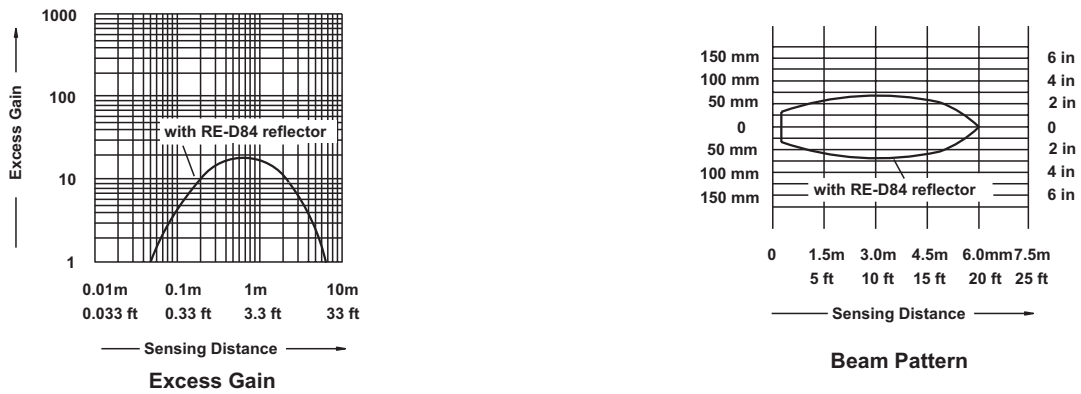


Sensing Characteristics (Typical)

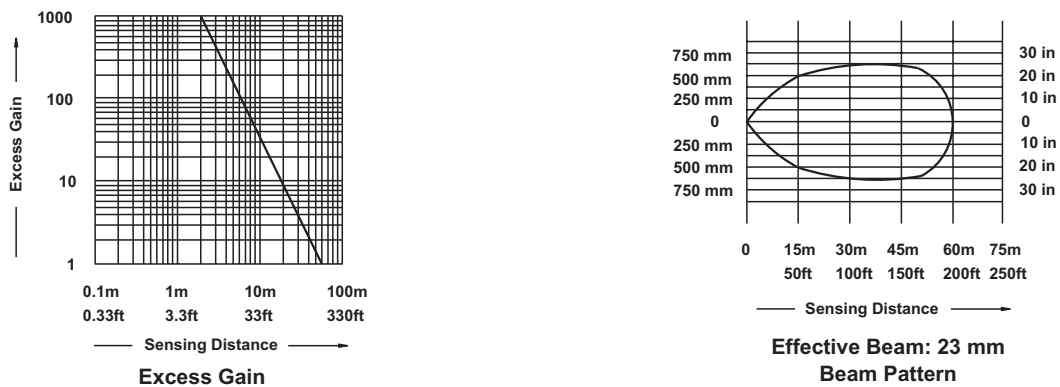
Diffuse Mode (with background suppression)



Retroreflective Mode (with polarized)



Thru-beam Mode



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