





Reflex and Diffuse Reflective Sensors

Three-Wire and Four-Wire Sensors

	Operating Voltage	Type	Sensing Range	Optimum Range	Field of View	Connection Type	Light Operate Catalog Number	Dark Operate Catalog Number	
Reflex—Forward Viewing 	Reflex—Forward Viewing								
	20–132 Vac 50/60 Hz or 15–30 Vdc	Standard reflex	15 ft (4.5m) ③	0.1 to 12 ft (0.03 to 3.6m)	3 in (76 mm) diameter at 12 ft (3.6m)	6 ft cable	14150AL14	14150AD14	
		Polarized reflex	10 ft (3m) ③	0.1 to 8 ft (0.03 to 2.4m)		4-pin micro AC connector	14150AL04 ☹	14150AD04 ☹	
	10–30 Vdc	Standard reflex	15 ft (4.5m) ③	0.1 to 12 ft (0.03 to 3.6m)	3 in (76 mm) diameter at 12 ft (3.6m)	6 ft cable	14150AL17	14150AD17	
Polarized reflex		10 ft (3m) ③	0.1 to 8 ft (0.03 to 2.4m)		4-pin micro DC connector	14150AL07 ☹	14150AD07 ☹		
Reflex—Right Angle Viewing 	Reflex—Right Angle Viewing								
	20–132 Vac 50/60 Hz or 15–30 Vdc	Standard reflex	15 ft (4.5m) ③	0.1 to 12 ft (0.03 to 3.6m)	3 in (76 mm) diameter at 12 ft (3.6m)	6 ft cable	14150RL14	14150RD14	
		Polarized reflex	10 ft (3m) ③	0.1 to 8 ft (0.03 to 2.4m)		4-pin micro AC connector	14150RL04 ☹	14150RD04 ☹	
	10–30 Vdc	Standard reflex	15 ft (4.5m) ③	0.1 to 12 ft (0.03 to 3.6m)	3 in (76 mm) diameter at 12 ft (3.6m)	6 ft cable	14150RL17	14150RD17	
Polarized reflex		10 ft (3m) ③	0.1 to 8 ft (0.03 to 2.4m)		4-pin micro DC connector	14150RL07 ☹	14150RD07 ☹		
Diffuse Reflective Forward Viewing 	Diffuse Reflective Forward Viewing								
	20–132 Vac 50/60 Hz or 15–30 Vdc	—	8 in (200 mm) ④	0.15 to 5 in (4 to 127 mm)	0.6 in (15 mm) diameter at 5 in (127 mm)	6 ft cable	13150AL14	13150AD14	
10–30 Vdc	—	8 in (200 mm) ④	0.15 to 5 in (4 to 127 mm)	0.6 in (15 mm) diameter at 5 in (127 mm)	4-pin micro AC connector	13150AL04 ☹	13150AD04 ☹		
Diffuse Reflective Right Angle Viewing 	Diffuse Reflective Right Angle Viewing								
	20–132 Vac 50/60 Hz or 15–30 Vdc	—	8 in (200 mm) ④	0.15 to 5 in (4 to 127 mm)	0.6 in (15 mm) diameter at 5 in (127 mm)	6 ft cable	13150RL14	13150RD14	
10–30 Vdc	—	8 in (200 mm) ④	0.15 to 5 in (4 to 127 mm)	0.6 in (15 mm) diameter at 5 in (127 mm)	4-pin micro AC connector	13150RL04 ☹	13150RD04 ☹		
	10–30 Vdc	—	8 in (200 mm) ④	0.15 to 5 in (4 to 127 mm)	6 in (15 mm) diameter at 5 in (127 mm)	6 ft cable	13150RL17	13150RD17	
						4-pin micro DC connector	13150RL07 ☹	13150RD07 ☹	

Glass Fiber Optic Adapter

This simple adapter allows glass fiber optic cables to be used with standard Comet Series diffuse reflective sensors.

Glass Fiber Optic Adapter with Hex Wrench



Glass Fiber Optic Adapter

Sensors	Fibers	Catalog Number
Glass Fiber Optic Adapter with Hex Wrench		
Forward viewing, diffuse reflective sensors (ordered separately, see table above)	Glass fiber optic cables (ordered separately, see Tab 9, section 9.2)	6235A-6501

Notes

- ☹ See listing of compatible connector cables on **Page V8-T5-72**.
- ① For complete system, order sensor and retroreflector (see **Tab 8, section 8.1**).
- ② Retroreflector not included.
- ③ Ranges based on a 3 in diameter retroreflector.
- ④ Sensor will detect a 90% reflectance white card at this range.