



Optoelectronic Sensors/Switches

OPTEK manufactures a wide variety of optoelectronic sensor assemblies that satisfy a broad range of industrial applications for sensing motion, color, and liquids. Our products are also well-suited for applications such as safety/security. OPTEK products are manufactured with the level of quality required to meet the needs of industrial applications.



Features ▶

- Reflective switches
- Flag switches
- Slotted switches

Benefits ▶

- Non-contact identification
- Long life: 10+ years
- Low power required

Applications ▶

- Security/safety
- Target identification
- Power supply isolation
- Encoding linear/rotary

Product Specifications ▶

	Part Number	LED Peak Wavelength (nm)	Sensor	Reflection Distance Typical	$I_{C(ON)}$ (mA) Minimum	I_F (mA) Typical/Maximum	V_{CE} (Volts) Min./Max.	Lead Length/Wire Type	
	Reflective Switch	OPB720A-06Z	850	Open-collector	6"/152 mm	16	Preset	10/30	39"/28 AWG wire
OPB720A-12Z		12"/305 mm							
OPB720A-V30Z		30"/762 mm							
OPB715Z		890	Totem-pole	0.050"/12.7 mm	30	Preset	4.75/5.25	18"/26 AWG wire	
OPB716Z			Open-collector						
OPB717Z			Inverted totem-pole						
OPB718Z			Inverted open-collector						
OPB741		890	Transistor	0.150"/3.81 mm	0.05	20/40	30	0.150"	
OPB741W24Z								24"/26 AWG wire	
OPB770TZ		890	Totem-pole	0.080"-0.220"/ 2.032 mm-5.588 mm	10	25/50	4.75/5.25	12"/26 AWG wire	
OPB771TZ			Open-collector						
OPB772TZ			Inverted totem-pole						
OPB773TZ			Inverted open-collector						
OPB732		850	Transistor	3.0"/76.2 mm	.25	30/50	30	0.150"	
OPB732W								39"/28AWG wire	
OPB725	Open-collector		13"-23"/ 330.2 mm-584.2 mm	16	Preset	10/30	48"/28AWG wire		
Flag Switch	Part Number	LED Peak Wavelength (nm)	Sensor	Flag Travel Degrees Maximum	I_{CC1} / I_{CC2} (mA) Maximum	I_F (mA) Typical/Maximum	V_{CC} (Volts) Minimum/Maximum	Lead Length/Spacing (inches)	
	OPB685	890	10K pull-up	51	12/12	10/50	4.5/16.0	0.100/0.275	
	OPB686		Open-collector						
	OPB687		Inverted 10K pull-up						
	OPB688		Inverted open-collector						
Slotted Switch	Part Number	LED Peak Wavelength (nm)	Sensor	Slot Width/Depth (inches)	$I_{C(ON)}$ (mA) Minimum/Maximum	I_F (mA) Typical/Maximum	V_{CE} (volts) Maximum	Aperture Size Emitter/Sensor (inches)	Lead Length/Spacing
	OPB800W51Z	890	Transistor	0.375/0.345	0.625/NA	20/50	30	0.05/0.01	24"/26 AWG wire
	OPB800W55Z				1.25/NA	10/50		0.05/0.05	
	OPB801W55Z				2.25/NA	20/50			
	OPB900L55	890	Totem-pole	0.375/0.345	15	20/50	4.5/16.0	0.05/0.05	0.425"/0.570"
	OPB901L55		Open-collector						
	OPB902L55		Inv totem-pole			20/50			
	OPB903L55		Inv open-collector						
	OPB819Z	890	Transistor	1.26/1.38	.5/12.0	40/50	30	None	24"/26 AWG wire

Arrow Industrial Selector Guide

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