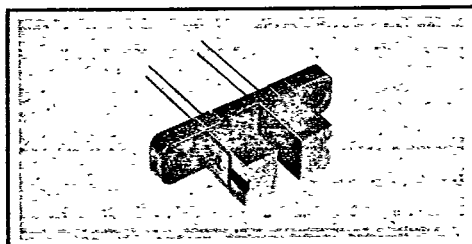
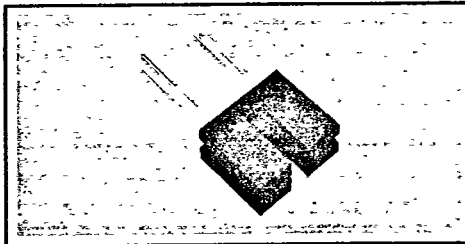
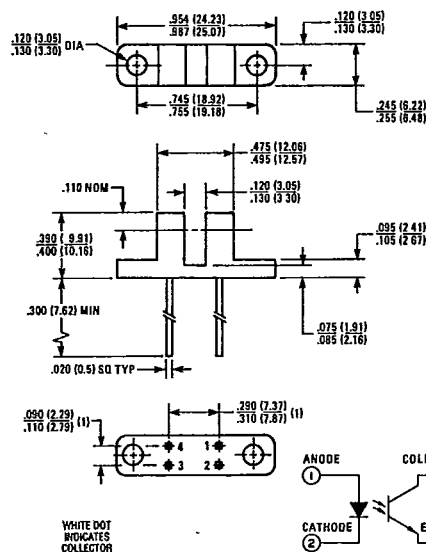


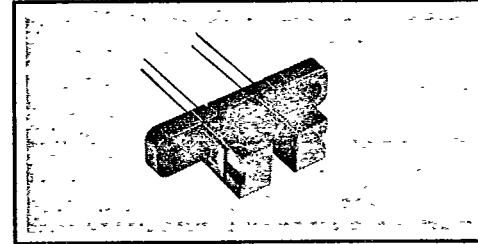
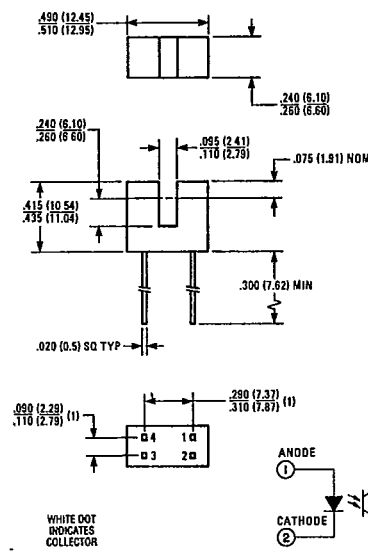
# Interrupter Assemblies



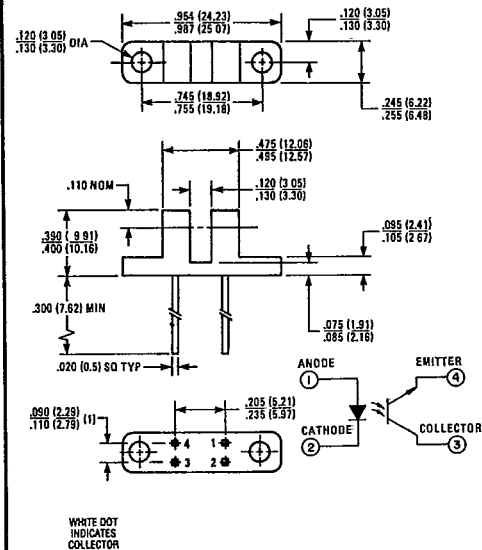
CASE 10



CASE 11



CASE 12



Optek's optoelectronic interrupter assemblies sense motion of opaque objects passing through the slot in the housing. A gallium arsenide LED and silicon n-p-n phototransistor are used in the plastic housing. Cases 10, 11, 12, and 15 are made with a plastic material that passes infrared and, therefore, no holes are required in the housing, thus eliminating dust collections. Cases 10, 11 and 12 are also made with an opaque material and are meant to be used in high ambient light conditions. All case sizes are available with or without apertures on the detector side to give the resolution required in position sensing.

Parameter	On-State Output Current		Collector Dark Current	Forward Voltage	Saturation Voltage		Aperture Size	Slot Width	Case No.
Symbol	$I_L$		$I_D$	$V_F$	$V_{CE(SAT)}$			$d$	
Test Conditions	$V_{CE} = 10.0V$ As Shown $I_F = 20mA$		$V_{CE} = 10.0V$ $I_F = 0$ $H = 0$	$I_F = 20mA$	$I_C$ As Shown $I_F = 20mA$		Detector Side Only		
Unit	$\mu A$	V	nA	Volts	Volts	$\mu A$	Inches	Inches	
	MIN		MAX	MAX	MAX		NOM	NOM	
K-8100	1800	0.6	100	1.7	0.6	1800	NONE	.125	10
K-8105	500	10	100	1.7	0.4	250	NONE	.125	10
K-8110	500	10	100	1.7	0.4	250	.010x.060	.125	10
K-8120	1000	10	100	1.7	0.4	250	NONE	.100	11
K-8121	1800	0.6	100	1.7	0.6	1800	NONE	.100	11
K-8130	500	10	100	1.7	0.4	250	.010x.060	.100	11
K-8101	1800	0.6	100	1.7	0.6	1800	NONE	.125	12
K-8102	500	10	100	1.7	0.4	250	NONE	.125	12
K-8103	1000	10	100	1.7	0.4	250	NONE	.125	12
K-8111	500	10	100	1.7	0.4	250	.010x.060	.125	12
K-8112	350	10	100	1.7	0.4	175	.007x.060	.125	12
K-8113	250	10	100	1.7	0.4	125	.005x.060	.125	12
K-8114	75	10	100	1.7	0.4	40	.003x.060	.125	12
K-8140	500	10	100	1.7	0.4	250	.010x.060	.125	10*
K-8141	1800	0.6	100	1.7	0.6	1800	.050x.060	.125	10*
K-8180	500	10	100	1.7	0.4	250	.010x.060	.125	12*
K-8181	1800	0.6	100	1.7	0.6	1800	.050x.060	.125	12*
K-8190	1000	5	100	1.7	0.4	250	NONE	.100	11*
K-8191	1800	0.6	100	1.7	0.6	1800	.050x.060	.100	11*

\*Housings are made with opaque material and have windows for infrared light beam, for applications which have stray ambient light.