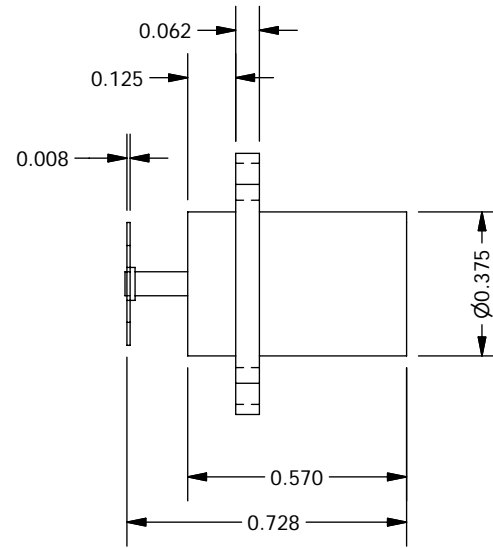
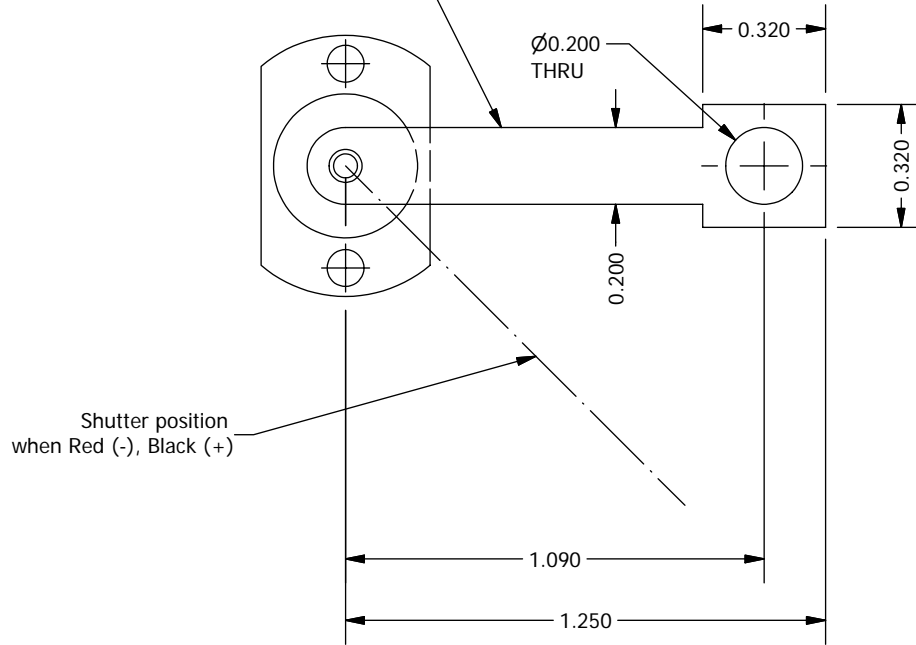


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Shutter position  
when Red (+), Black (-)



Shutter position  
when Red (-), Black (+)

**NOTES**

1. Drawing adapted from Daco Instrument Company dwg. no. 8108
2. Operating voltage 12 VDC
3. Angle of rotation  $45 \pm 2'$  as shown
4. Mode of operation: Bi-stable

THE OBSERVATORIES  
OF THE CARNEGIE INSTITUTION OF WASHINGTON  
813 Santa Barbara Street  
Pasadena, CA 91101

MATERIAL			UNLESS OTHERWISE SPECIFIED		
FRACTIONAL			DECIMAL		ANGULAR
+/- 1/32			.XX +/- 0.01		+/- 0.1 DEG
EST WEIGHT			.XXX +/- 0.002 GOAL		
			.XXX +/- 0.005 REQD		
			BREAK SHARP EDGES MACHINED SURFACES 125 $\sqrt{\text{ }}$		
			ALL DIMENSIONS IN INCHES		
SCALE			P lanet		Daco Bi-Stable shutter for diffuser
2:1			F inder		
			S pectrograph		
DWN	CRANE	2/23/2007	SHEET		DRAWING NUMBER
APVD			A		PFS06021
	BY	DATE			SHT 1 OF 1
					REV

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