

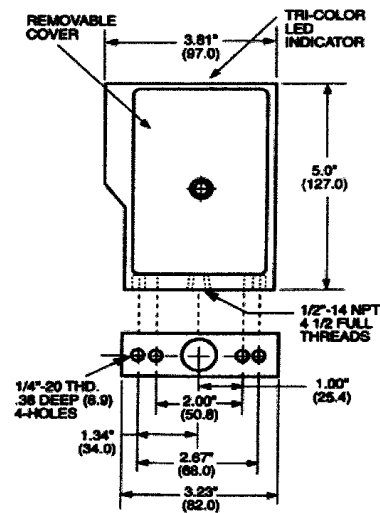
Common Sensor Characteristics

DIFFUSE PROXIMITY (EASY DUTY) SENSORS		
	Fixed Range	Adjustable Range
Sensing Ranges	1.0, 2.5, 6.5 ft.*	100-800 mm Adjustable*
Standard Target	White Bond Paper	
Lens	Glass	
Light Source	Modulated Infrared LED	
Light/Dark Operate — Selectable	yes	
Optional Plug-in Timers**	yes	
NEMA Enclosure Type	3, 4, 12 & 13	
Temperature Range	-20°C to +70°C	-20°C to +60°C
UL/CSA Certifications	yes***	
Sensitivity Adjustment	yes	
Optic Heater	no	
Cable Entry	1/2" - 14 NPT Conduit	
Shipping Weight	16 oz.	18 oz.

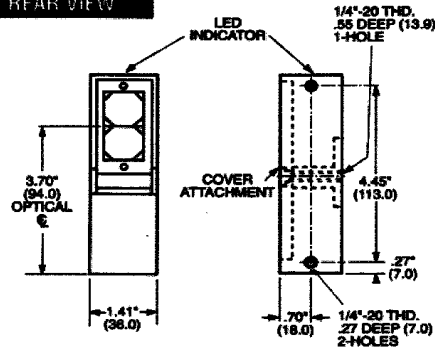
*Using White Bond Paper

Dimensional Drawings

SIDE & BOTTOM VIEW

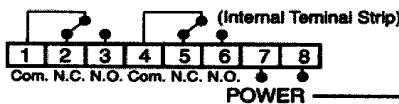


FRONT & REAR VIEW

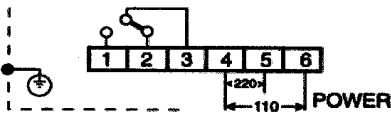


Circuit Drawings

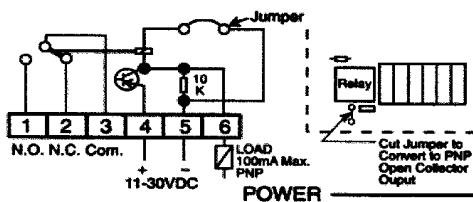
RELAY (DPDT) OUTPUTS



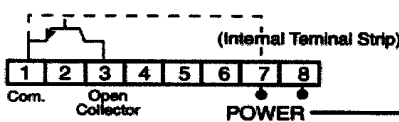
AC OUTPUTS ADJUSTABLE RANGE (SPDT) AC POWER



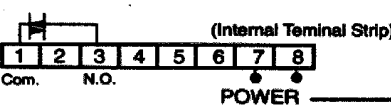
DC OUTPUTS ADJUSTABLE RANGE (SPDT PNP) DC POWER



TRANSISTOR (NPN) OUTPUTS



TRIAC OUTPUTS



POWER INPUT:



Tolerance vs. Range

For Adjusted Range Diffuse Scanner EP130-12004 & EP130-15004

Adjusted Range	Total Sensing Range From:	Max. Range of White Target When Range is Set On Black Target	
		Black Paper	White Paper
3.94" (100mm)	1.97" to 3.94" (50mm to 100mm)	3.94" (100mm)	4.02" (102mm)
11.80" (300mm)	3.94" to 11.80" (100mm to 300mm)	11.80" (300mm)	12.20" (310mm)
19.68" (500mm)	4.72" to 19.68" (120mm to 500mm)	19.68" (500mm)	21.28" (540mm)
31.50" (800mm)	5.90" to 31.50" (150mm to 800mm)	31.50" (800mm)	31.50" (800mm)