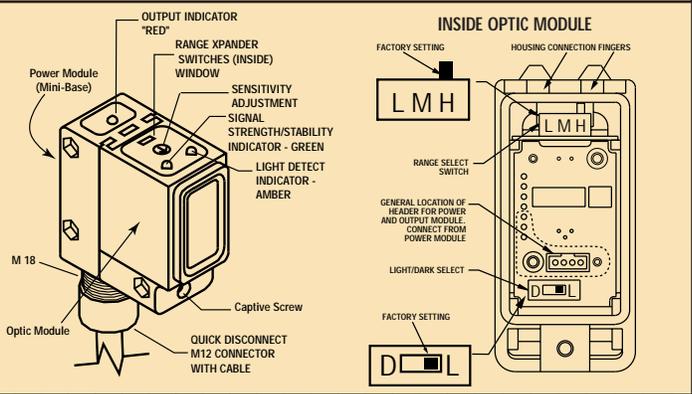


# C2000 Private Eye Optic Module Features and Specifications

The Private Eye Optic Modules offer a compact design with high performance features.

- \* **Sealed to withstand 1,200 psi wash-downs**  
*Benefit:* An affordable solution for harsh duty environments.
- \* **Two Performance Indicator LEDs provide full-feature alignment**
  - "True light" amber LED indicates target sensed - **presence**.
  - "Stability" green LED indicates signal strength - **alignment**.
  - Bright indicators are visible from 360 degrees.  
*Benefit:* Simplified monitoring of sensor performance
- \* **Single-turn Sensitivity Adjuster is mechanically isolated**
  - Designed with end stops.  
*Benefit:* Prevents damage by over-torquing
- \* **The SKAN-A-MATIC Unique Sensitivity Range Xpander features**
  - Three adjustable light intensity ranges: Low, Medium & High
  - Allows increased resolution of sensitivity, like a multi-turn pot.  
*Benefit:* Allows faster set-up and gives you a visual set point of the sensitivity adjustment; saves installation cost

## Optic Module With Mini Base Power Module



- \* **Easy access to inside switches:**
  - Light/Dark Operation Mode Switch
  - Sensitivity Range Xpander Low, Medium or High position is visible through the clear top cover.

Optic Modules			
MODEL	SENSING MODE	RANGE	LIGHT SOURCE
C21000	RETRO-REFLECTIVE	30ft (9.2m)	IR – 880nm
C21101	POLARIZED RETRO	20ft (6.1m)	Visible Red – 660nm
C21200	DIFFUSE	10ft (3.1m)	IR – 880nm
C21300	GLASS FIBEROPTIC	See Page 8	IR – 880nm
C21301	GLASS FIBEROPTIC	See Page 8	Visible Red – 660nm
C21302	GLASS FIBEROPTIC	See Page 8	Visible Green – 530nm
C21303	GLASS FIBEROPTIC	See Page 8	Visible Blue – 472nm
C21500	THRUBEAM EMITTER	100ft (31m)	IR – 880nm
C21604	THRUBEAM RECEIVER	100ft (31m)	For IR – 880nm
C21501	THRUBEAM EMITTER	60ft (18m)	Visible Red – 660nm
C21605	THRUBEAM RECEIVER	60ft (18m)	For Visible Red – 660nm

## Optic Module Specifications

<b>Sensitivity Adjustment</b>	1 rotation volume + Range Expander switch: 3 emitter power levels selectable (low, medium and high)
<b>Indicator LEDs</b>	Yellow = True Light Green = Stability Indicator
<b>Operation Mode</b>	Light / Dark Operation, Switch Selectable
<b>Ambient Operation</b>	Temperature: -20° to 70°C (-4° to 158°F) Relative Humidity: 35% to 85%
<b>Light Immunity</b>	5,000 LUX Incandescent lamp: 3,000 foot candle
<b>Vibration Shock</b>	10 to 55Hz amplitude 1.5mm X,Y,Z ea. 30 min 500 m/sec (30G) X,Y,Z ea. 6 times
<b>Protection/Material</b>	Designed to meet UL, NEMA 6, IP67 Fiberoptic Module: NEMA 4-Glass fiber reinforced plastic

## THE C2000 PRIVATE EYE ALIGNMENT INDICATORS TELL YOU WHAT YOU NEED TO KNOW

Example: Output LED in Light Operate Mode. Opposite conditions occur in Dark Operate Mode

