

## Cambria TRACK-LOCK Optical Sensors

### Mission-Critical and “Fail-Secure” Sensor Technologies

Cambria’s Track-Lock Sensors help solve mission-critical problems both in defense and industrial applications. The sensor is designed as a harsh duty through-beam sensor with high immunity to noise and tampering. Designed for critical applications, the Cambria sensors are robust and are designed for easy installation and operation. Digital pulse encoding of the transmitted signal allows transmit and receive verification in each unit for the Track-Lock function. The System Fail Detect feature confirms operation to the system connection point.

#### Applications

- *Fool-proof through-beam detection*
- *Sun light immune*
- *Fast response*
- *Low cost*

#### Benefits

- *Easy to use and easy to install*
- *Down-wire reprogramming*
- *Low Power*
- *Digital, Analog, PWM outputs.*

#### TECHNICAL DATA

#### Series A

#### Track-Lock Series

	Series A	Track-Lock Series
Supply Voltage	10-32 vdc	10-36 vdc
Current consumption	20 mA	20 mA
Reaction time ( T <sub>on</sub> / T <sub>off</sub> )	2 ms / 2 ms	2 ms / 2 ms plus interrogation time ( 8 ms)
Output closure (choice)	NPN, PNP	NPN, PNP, or 2 AMP Isolated
Output status (choice)	Light ON, Dark ON	Light ON, Dark ON or ARRAY mode
Output	Max load 120 mA	Max load 120 mA or 2 Amp w/ isolated out
Range	30 feet	30 feet
Dimensions	Fits .75 inch hole	Fits .75 inch hole
Protection	Short circuit, reverse polarity, line transients	Short circuit, reverse polarity, line transients
Sealing	IP67 / NEMA	IP67 / NEMA
Immunity to extraneous light	10,000 LUX	10,000 LUX
Self-Checking?	NO	Yes. Digital pulse encoding for Tx/Rc verify
<b>System Fail Detect*</b>	NO	Yes, with control card for full system fail detect
Approvals	CE	CE