

The Leader in Underground Pathway Protection

SmartEntry Overview

SmartEntry is a product in the LightLOC family designed for securing and monitoring perimeter access points. It is a pivoting bar gate capable of providing its arm position via a fiber-optic position sensor and structural integrity via nerve fiber installed within the gate components. Designed for use with LightLOC Vehicle Detection and Denial Cables at access points, SmartEntry may also be installed as a stand alone sensor at any gate location.

As with all of the LightLOC products, SmartEntry is designed to be a zero-false-alarm solution. The gate and monitoring system designs ensure no alarms result from wind, wildlife, or frivolous movements. Alarms occur only if the gate is opened, damaged, or tampered with.

The SmartEntry position sensor and gate connections are located in a thick-walled, aluminum housing with tamper resistant bolts. They are also guarded by an additional tamper sensor to detect unauthorized access. The sensors and fiber in a SmartEntry are monitored from up to 25km away with a LightLOC Network or Express System. When monitored by a Network System, alarm locations may be pinpointed, typically within 5 meters.

SmartEntries are custom designed and manufactured according to site requirements to protect up to a maximum roadway span of 35ft. They do not have a vehicle denial rating, but LightLOC detection capabilities may be incorporated into denial gates as required.

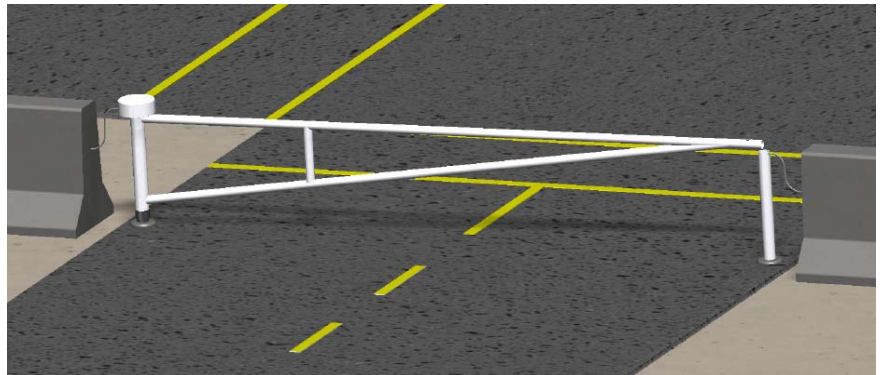
The system example on the following page represents a typical application for SmartEntry: a critical asset surrounded by chain link fencing on an outer perimeter. A SmartEntry gate at the roadway is paired with Detection Cable to detect unauthorized vehicle entry and provide the maximum standoff distance and, therefore, response time.

Standard Features

- Monitored Pivoting Bar Gate with Position Sensor and Optical Nerve Fiber
- Steel with Galvanized or Powder Coated Finish
- Long-Range Monitoring to 25km Standard
- Power Not Required at Gate
- 20 Year Life
- -40C to 70C Operating Temperature Range
- 1550nm Operation with Standard Single Mode Fiber
- Used with Vehicle Detection and Denial Cable for Securing Access Points
- Gates Custom Designed and Manufactured to Meet Customer Specifications
- Optimized for Use With LightLOC Network and Express Monitoring Systems
- Available for Roadway Spans of up to 35ft
- Standard Gate not Denial Rated, but Technology may be Applied to Denial Gates
- Position Sensor Housed in a Thick-Walled, Aluminum Housing
- Sensor Housing Secured with Tamper Resistant Bolts and a Tamper Sensor

SmartEntry:

Your Smart Perimeter Gate Solution



For additional information on the LightLOC® system, please contact Doug Piper at 864.963-5131 or dpiper@lightloc.com

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Typical System Example



Technical Details

Monitoring Systems	LightLOC Network System LightLOC Express Processor LightLOC Multi-Port Express
Power Requirements	None in Field Monitoring System Powered As Specified
Fiber Type	Single-mode
Monitored Wavelength	1550nm
Clear Roadway Maximum Span	35ft
Gate Opening Sensitivity	<2ft Movement of End of Gate from Secure Position, Adjustable
Gate Material Available	Steel
Steel Gate Finish	Galvanized or Powder Coated
Standard Gate Arm Tubing	1/8" Wall Thickness
Standard Gate Pivot Post	1/4" Wall Thickness
Operating Temperature	-40C to 70C
Gate Life	20 Years

Ordering Information

SmartEntry gates are custom designed for use with Vehicle Detection and Denial applications. Please contact us for a quote.

LightLOC Overview

LightLOC is a patented, fiber-optic based security system providing the optimum in perimeter and access security. The system provides monitoring of remote access points and perimeters using a family of sensors and cables developed and made by LightLOC. Monitored items can include manholes, gates, doors, culverts, perimeter vehicle detection and vehicle denial cable systems, and custom applications. Monitoring is possible at distances of up to 25km without the need for electrical power at the monitored locations. The robustness of the system eliminates false alarms commonly seen with other fiber-based security systems, and LightLOC systems are inherently tamper resistant since altering or destroying optical components triggers alarms automatically.

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