



LightLOC® SmartGate

LightLOC® SmartGate® is a pivoting bar gate with monitoring capability of the arm position as well as the structural integrity via monitored optical strands installed within the gate components. SmartGate® is a unique and effective way to secure and monitor restricted roads and gateways in remote locations. It is typically used in conjunction with LightLOC® Perimeter Detection Cable to create a seamless monitored perimeter, but it can easily be monitored with standard optical cable routed to the gate location. No electrical power is required at the gate site.

SmartGate® detects the arm position of the gate by means of an optical sensor mounted on top of the pivot post of the gate. The thick-walled, aluminum sensor housing is protected with tamper resistant bolts and monitored with its own sensor to prevent unauthorized access or tampering. All of the necessary fiber splices are enclosed in the sensor housing.

The gate sensor is designed to trip when the tip of the gate has moved 4 feet from its closed position. Sensitivity is easily adjusted if more or less is required. Thanks to the design of the sensor, false alarms triggered by wind, wildlife, or frivolous movements are eliminated.

Protection of the gate components themselves is achieved through the installation of optical fiber within the gate's tubular construction (see diagram below). This eliminates the possibility of simply cutting through the gate to gain access without triggering the arm sensor.

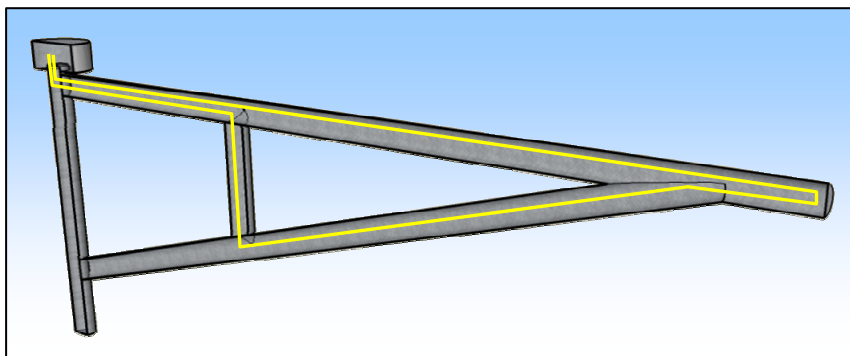
The structural components of SmartGate are fabricated from heavy gauge steel and galvanized to resist corrosion. Spans are customizable depending on customer needs.

Technical Details

Clear Roadway Max Span	35ft
Minimum Swing Sensitivity	3° typ, Adjustable
Maximum Monitored Distance	20km

Internal Fiber Protection

In order to monitor the condition of the gate, the tubular components house monitored optical fibers. Attempts to cut through the gate components will result in an alarm.



For additional information on the LightLOC® system, please contact Tom Browning at 864.967.1759 or tom.browning@wovenelectronics.com. Specifications are subject to change.