

Fence Alert

Intrusion Monitoring System — Detects, Pinpoints, and Notifies of any Attempt to Breach the Chain Link Fence Surrounding Your Facility's Perimeter

PERIMETER CONTROL



WMS-200

Fence Alert is an all fiber optic monitoring system that multiplies the effectiveness of any new or existing chain link fence to keep out unwanted intruders. The heart of the system is a rugged, yet low cost all-optical “maintenance-free” sensor cable that can be easily attached to any installed perimeter fence. An individual sensor cable can be up to one mile in length and can pinpoint intrusion attempts to within 25 feet. This equates to up to 200 discrete detection zones per each mile of perimeter fence. Multiple cables can be joined for longer perimeters. Since it is all-optical, the cable contains no electronics and therefore is not affected by electromagnetic or radio frequency interference, rain, lightning, heat or cold.

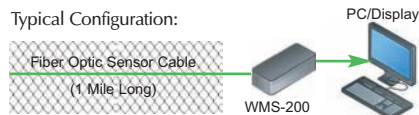
The Fence Alert system includes the USSI WMS-200 Plug-n-Play optical interrogator which supports multiple output data formats including RS422, RS232, and USB and includes PC-based application software and an API for rapid integration to most industry-standard existing displays and monitoring systems. The display (see below) includes a satellite image of the protected area as well as a graphical display depicting the activity in each zone. The alarm setpoint automatically adjusts to changes due to wind, rain, or other changes in the overall ambient noise in the vicinity of the fence.



The 2 mm inch diameter cable serves as both the sensor as well as the signal path back to the control center. The cable is mounted on spring-loaded tensioners that are designed to maintain constant tension despite changes in weather conditions, and allow for quick and easy installation. Shaking, climbing, or cutting of the fence disturbs the cable tension resulting in an instantaneous alarm, pinpointing the location to within 25 feet.



The WMS-200 Interrogator is designed for outdoor operation, and offers the highest reliability possible. Its fully-automated, rapid setup routine executes upon startup without the need for manual input. Simply plug in the all-optical sensor cable and the system configures itself. Continuous built-in monitoring ensures the highest accuracy and system health monitoring (including cable sabotage) without any need for periodic calibration.



Parameter	Units	Value	Comments
Maximum Individual Sensor Cable Length	feet	5000 (1525 meters)	Multiple cables can be joined
Maximum Sensing Points per Individual Cable	#	200	
Minimum Event Resolution	feet	25 (7.6 meters)	
Update Rate	Hz	2	
Data Interface Type		RS232/422/USB	
Input Voltage	VAC	86-230	Universal supply
Power Consumption	W	10	
Operating Temperature (Cable)	°C	-40 to +70	
Operating Temperature (Interrogation Unit)	°C	-40 to +70	
Storage Temperature (System)	°C	-55 to +85	
Optical Connector Type		FC/APC	
Cable Break Strength	Lbs.	150 (86kg)	Higher strength available



Highlighted Features

- 100% Optic Fiber Monitoring
- Maintenance Free Sensor Cable
- Supports RS422, RS232, USB
- Plug-n-Play Self Configuration
- PC Based Software Application
- API for Rapid Integration
- Pinpoint Intrusion within 25 ft.
- 200 Discrete Detection Zones per Mile of Perimeter Fence
- No Periodic Calibration Needed
- Not Affected by Electromagnetic or Radio Frequency Interference, Rain, Lightning, Heat or Cold

