

NEW TECHNOLOGY FOR PROTECTING FACILITIES – STARCONT

SensLine

Perimeter protection

A modern alternative to the classic sensor cable: protects any type of fence against crossing and destruction and pinpoints the intrusion location with 5 m accuracy.



Key features

-  Intrusion location with an accuracy of up to 5 m
-  SensLine AI algorithms eliminating weather-related false alarms (~40%)
-  Damage disables only 5 m of protection – repair 30% cheaper
-  Peripherals anywhere on the circuit: PIR sensors, opening sensors, contactors, flood sensor
-  Zones and sensitivity configured for each fence section
-  Works with alarm panels of other manufacturers (RS-485, GSM, IO/NC/NO)
-  Remote diagnostics and system test every 60 s (security grade 4)
-  Up to 75% cheaper than systems with similar functionality

**SENSOR SPACING**
5 m**OPERATING TEMP.**
-40 °C ~ +70 °C**POWER SUPPLY**
12 – 36 V DC**OUTPUTS (ZONES)**
up to 208

Applications



Technical specifications

SensLine system	
Spacing of sensors on the cable	5.0 m
Precision of intruder location	Compatible with the spacing of sensors (5 m)
Alarm zones	Independent
Alarm triggering criteria	Excitation amplitude, excitation duration
Information on each sensor via bus	Yes
Simultaneous detection of several intruders	Yes
Zone damage detection / sabotage protection	Yes / yes
Connection continuity test	Yes (every 60 s)
Communication interfaces	RS-485, IO, NC, NO modules
Number of outputs	Up to 208
Configuration of zones and sensitivity	Locally (PC via USB) or remotely via SensLine GSM / SensLine Gateway
Logic inputs / permitted zones (e.g. gates)	Via SensLine Input / SensLine Adapter / SensLine Gateway
Power consumption	6 – 10 W
Power supply voltage	12 V DC or 12 – 36 V DC
Operating temperature / humidity	-40 °C ~ +70 °C / 5 – 95% RH
System modules	
SensLine Bridge	The brain of the system: collects and analyses cable signals, SensLine AI false-alarm filtering. Premium: up to 5,200 m (2 channels) or 3,600 m in a loop; Standard: up to 2,000 m
SensLine Sensor	Part of the cable every 5 m – measures vibrations in 3 planes
SensLine Expander	+48 alarm outputs (max. 4 modules)
SensLine Gateway / GSM	Remote access via Ethernet / GSM; event history on a microSD card
SensLine Adapter / Input	Switch to the differential bus (up to 200 m, e.g. bypassing a gate); limit switch input
SensLine Bridge parameters	
Logic part – power supply	8 – 13 V; average current 51 mA, max. 100 mA
SensLine cable supply	12 – 38 V, max. 3 A
Cable current consumption	0.105 A/km
Max. length – 2 lines (Standard / Premium)	12 V: 2 × 800 m; 24 V: 2 × 1,000 m / 2 × 2,000 m; 36 V: – / 2 × 2,600 m
Max. length – loop (Standard / Premium)	12 V: 1,200 m; 24 V: 1,600 m / 3,000 m; 36 V: – / 3,600 m (–10% above +50 °C)