

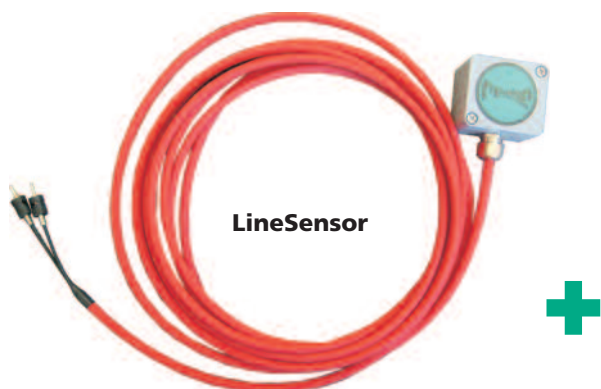


Protect Your Assets!

ARGUSLINE



GBPL-AGL-09/03/10 · Subject to changes without further notice



signal box
(consisting of)

4 ...20 mA
2 x potential-free
change-over contacts,
USB-interface



converter
0...20 mA
4...20 mA

ARGUSLINE

Fibre optical sensor system for access control, premises supervision, assets protection

ARGUSLINE is a side pressure sensitive fibre optic cable that modulates its light transmission properties according to the side pressure applied.

An optoelectronic converter and evaluation module perceives the fibre optical signal and generates a free programmable, electrical alert signal. Selecting the suitable parameters, changes in side pressure from a few grams up to several tons can be detected and stored.

Depending from the actual requirement various multimode fibre optic cables, made from glass or plastic as core material, are deployed. So, both the protection of exhibits (museum, galleries, exhibitions, etc.) and persons (especially in case of underground installation of the line sensor) are possible.

Due to the deployment of totally metal-free components, the ARGUSLINE fibre optical sensor system cannot be tracked down by any kind of metal detector or magnetic field probe.

Various kinds of embodiments (pavement modules, artificial turf modules) are available on request.

Technical Data „Converter“

supply voltage min... max	DC 12...24 V
ripple	< 10 %
power consumption	< 50 mA
switching output	PNP, NPN, Q
analogue output	yes
analogue output min...max	4...20 mA
switching mode	light/dark, selectable
max. output current I _a max	< 100 mA
response time	selectable: 60 µs / 250 µs / 2 ms
switching sequence	8,333 Hz / 2,000 Hz / 250 Hz
time delay	programmable 0 ms...9,999 ms
time type	programmable / OFF/TOFF/TON/ONESHOT
connection type	cable (2 m)
cable material	PVC
no. of scores	4
conductor cross section	0.2 mm ²
VDE protection class	III
circuit protection	Vs connections reverse-polarity in-/outputs short circuit interference suppression outputs overcurrent and short circuit
protection grade	IP66
ambient operation temperature, min...max	-25° C...+55° C
ambient storage temperature, min...max	-40° C...+70° C
housing material	ABS, PC

applicable ARGUSLINE Sensors

plastic optical fibres with 1 mm core diameter and 6 mm outer diameter for sensor loop lengths up to around 100 m

glass optical fibres with 50 µm core diameter and 6 mm outer diameter for sensor loop lengths up to around 2,000 m ripple

operational temperature range: - 40° C up to + 85° C

connector systems for modular design of the overall system with protection class up to IP 67