

Perimeter Intrusion Detection System (PIDS)

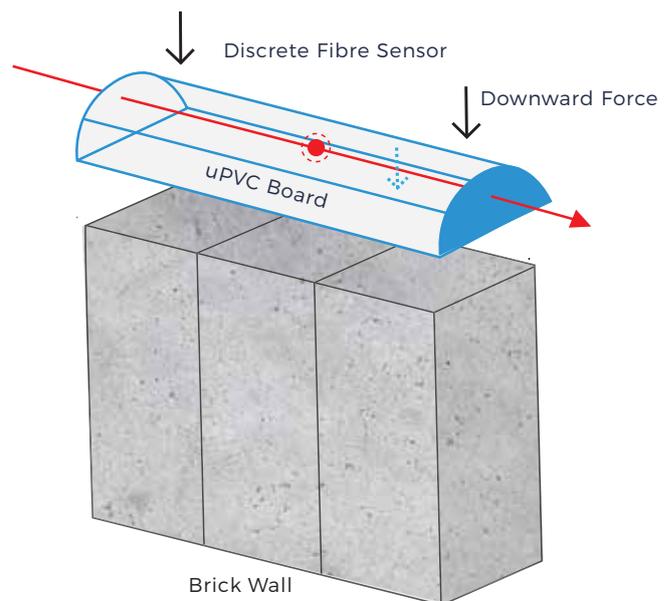


Wall-Mount PIDS

The Wall-Mount Perimeter Intrusion Detection System (PIDS) is an advanced perimeter security solution by ST Engineering. Robust and engineered with the most advanced algorithms, this system was designed to address the need for the ultimate PIDS solution that can be mounted effortlessly on wall structures. Discover the future of perimeter security with the superior PIDS.

How It Works

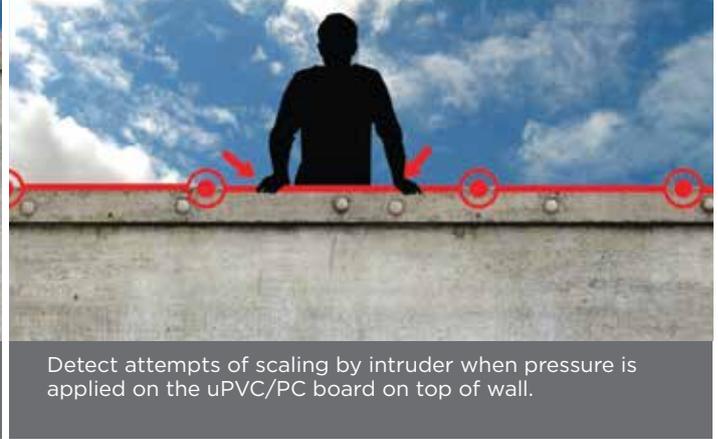
The wall-mount PIDS utilises the same revolutionary discrete sensors used in the fence-mounted version. A fibre optic cable embedded with sensors is deployed at the top of the wall and is capable of detecting and pinpointing the location of intrusion activities. The system setup is immune to RFI, EMI, and lightning strikes. Equipped with an intelligent signal processing system, the wall-mount PIDS provides reliable protection, resistance to nuisance alarms, and high levels of adaptivity to changes in the natural environment.



Operational Concept

The wall-mount PIDS is highly reliable when detecting intrusion activities (> 95% probability). With an accuracy of ± 3 metres, the system is able to locate intruders in a pin-point manner within the shortest time possible. This is crucial for critical facilities and sites that require maximum security and 24/7 vigilance such as, airports, military sites, prisons, industrial sites and commercial facilities.

Wall PIDS



System automatically activates the nearest CCTV camera to zoom to the pinpointed intrusion location for alarm verification.

Performance Specifications

Probability of Detection	> 95%
Detection Accuracy	± 3 m
Detection Resolution	20 m
Nuisance Alarm Rate (Average)	≤ 3 per day per kilometre in real environment
Resilient to Defeat	Detects intruder climbing over or leaning a ladder at edge of brick wall or hacking the wall. Also detects tampering and is immune to cuts. The cable can sustain multiple cuts while maintaining operation.

Technical Specifications

Technology	Fibre optic cable embedded with discrete fibre sensors
Mechanical	Outdoor splicing enclosure box IP66 All equipment mountable on 19-inch rack 1U for Sensing Unit, 2U for Signal Processing Unit, 1U for keyboard & monitor
Power Consumption	Sensing Unit: 45 W typical, 85 W Signal Processing Unit: 460 W Set of keyboard & monitor: 60 W
Environmental Specs	UV-resistant and armour-protected sensor cable UV-resistant Polycarbonate (PC) or uPVC board (cover) UV-resistant cable tie Sensing Unit & Signal Processing Unit operate in air-conditioned room
Product Life	≥ 10 years product life A comprehensive warranty program and extensive options available

ST Engineering Electronics Ltd.

www.stengg.com

AGILFence@stengg.com

© 2020 ST Engineering Electronics Ltd. All rights reserved.

DOP 0720

