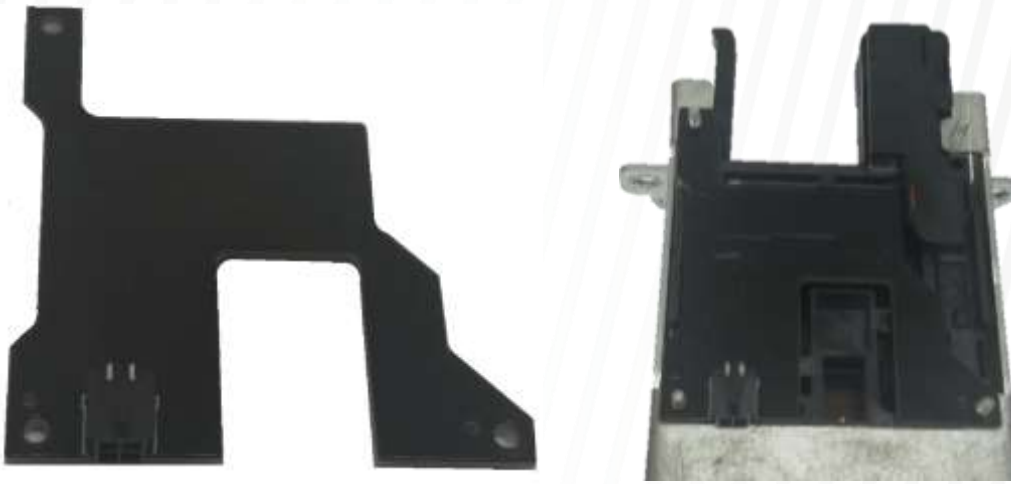


**EBRAX**  
ATM SECURITY LLC



# DEEP INSERT FRAUD SENSOR

The Deep Insert Sensor is installed inside the card reader and monitors the presence of any foreign object in the card slot area. It focuses on detecting “**Deep Insert Skimmers**”.



- ❖ **Reflective infrared optical solution;**  
This makes the solution less sensible to environment light changes.
- ❖ **Fraud detection based on variation of reflection levels on four areas along the card slot;**  
Covers all the inner area of the card slot.
- ❖ **Compatible with all versions of Ebrax Anti Skimming;**  
A wide variation of outputs and signaling options makes it compatible with all systems.
- ❖ **Does not affect normal reader use;**  
As any mechanical change in the card read is not needed, the reading operation is unaffected.
- ❖ **Provides configurable extra delay before signaling an alert to the control unit;**  
During normal operation, a customer card will be detected. To avoid false-alarms, a configurable extra timer delays alert signalization, allowing only long-time detected objects trigger an alarm.

❖ **Sensibility and detection levels customizable;**

Some environments may require specific customization. With configurable sensibility and detection trigger level, the sensor can be customized to any environment conditions.

❖ **Dip and motorized card readers supported;**

Adaptable to any card reader model, with only mechanical changes in sensor needed.

❖ **Can detect any type of material;**

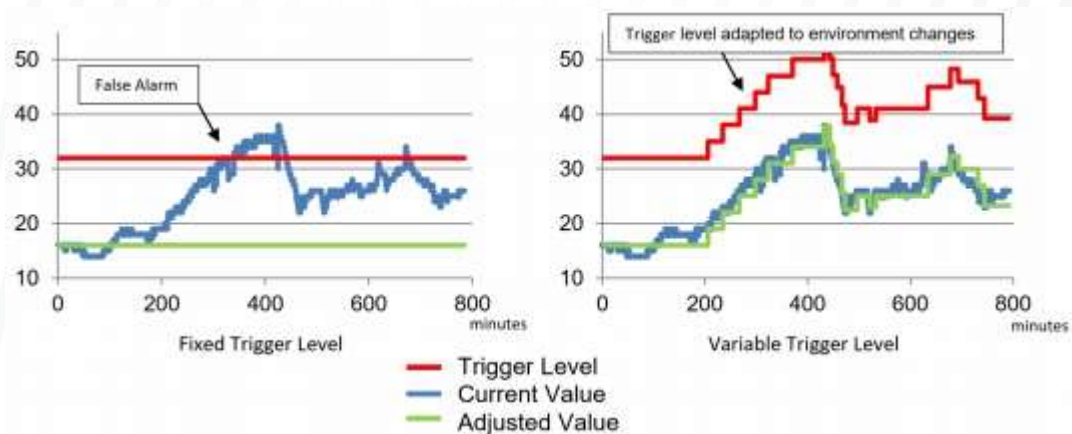
Based on an optical technology, all kind of material are detected.

❖ **Status indicative LEDs;**

Through an indicative LED, is possible to check if sensor has detected an object, if its operating or calibrating.

❖ **Proprietary algorithm that compensates slow environment changes, such as temperature, humidity, dust or mechanical wear (variable trigger level).**

The variable trigger level improves the overall stability due to its capability of adapting the system levels under small and gradual environment changes.



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