

Crosspath Services Features LFS-9 Attack Detector for Steel Entry Doors to ATM Pods

The LFS-9 Detector is designed to detect physical attacks on steel Entry Doors to pods and rooms housing Automatic Teller Machines (ATMs). The Detector outputs can be used to initiate protective measures, such as triggering an alarm, or activating devices such as smoke screens or staining systems. The LFS-9 incorporates two separate LFS Detectors to monitor for attacks on the door. The first is a standard LFS Detector that monitors the general door and main door locking mechanism. The second Detector uses a remote sensor head to monitor the specific area around the second door locking mechanism. Combining the two independent detector alarm outputs further reduces the likelihood of false alarms and offers the potential for generating a confirmed alarm. It is designed for internal use only, and must not be installed where it is exposed to the outside environmental conditions. Both detectors identify the following conditions around their sensors.



P. (pressure): A minor deflection or deformation of the door surface. This may be caused by any of the following: a blow from a hammer sufficient to cause a small semi-permanent or permanent deformation, the force of a drill bit or grinding wheel pushed against the door, or gentle heating of the door. The deformation must exist for a sufficient length of time, so that a blow that causes a fleeting and non-permanent deformation is ignored.

N. (noise): High frequency stress changes, above a minimum threshold level, transmitted through the door caused by a drill, grinding wheel, or very rapid hammering on the door. To avoid false alarms, this condition is only considered a potential alarm condition if these stress changes are detected for a pre-determined period.

MD. (major deformation): A significant semi-permanent or permanent deformation of the door surface caused by a very high impact, gross attack, or strong heating from hot gas cutting equipment such as oxy-acetylene, or even an angle grinder.

Alarm outputs Each independent detector provides two solid state relays, normally closed. Relays are fail safe.

One relay for the minor deformation detection channel, the other for the high frequency stress change / major deformation detection channel.

Alarm outputs are configured to the detection requirements of the application.

Complies with the Security Grade 3 requirements of EN 50131-1:2006

Complies with the EMC requirements of EN 50130-4:1996

Complies with the requirements of BS4737: 3.0:1988 Sections 3.1 – 3.5, 4, 5, 7, 9, 10

Complies with the requirements of BS7042: 1988: Sections 3.2.1, 5.5, 10.3.2, and 10.3.4.

All specifications are subject to change without prior notification.

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Crosspath/Xtra-Sense Ltd. does not assume liability arising out of inappropriate or misuse of this product. The installer of this product should ensure the level of detection is adequate for the purpose and should consider all options of additional protection in consideration of all relevant risks.

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