



LFS Attack Detector



The LFS (Low Frequency Stress) Attack detector series, outputs an alert after analysis of the pressure and noise generated within the structure of the protected area, virtually ignoring localised noise and general vibration. The combination of the following conditions are detected by the analyser.

- ➔ **Pressure** A minor deflection or deformation
- ➔ **Noise** High frequency stress changes
- ➔ **Heat** A significant semi-permanent or permanent deformation
- ➔ **Time** Each of the above conditions has a time frame pre-set.
- ➔ **Gross Attack** Explosions or significant movement of the protective material will generate two or more of the above conditions.



A combination of any two of, pressure, noise or heat will generate an alarm condition. The only adjustment that can be effected in the field is the sensitivity, the LFS sensitivity cannot be switched off completely, therefore, always ensuring a level of protection is maintained. This method of detection has proven reliability whilst at the same providing a very high resilience to false alarms.

- ➔ **Key Advantages of the LFS Detector Series**
- ➔ Extremely high level of immunity to false alarms.
- ➔ Offers a range of possible alarm output conditions.
- ➔ Straight forward to set up, and requires minimal adjustment.
- ➔ Fitted to ATMs, safes, teller assist units, strong room doors.
- ➔ Straightforward fitting on installation.
- ➔ Can be left armed during refurbishment works.
- ➔ Reduces staff and third party cost, of false alarms.



LFS-1 with Armoured Loop

CROSSPATH SERVICES LTD

L.F.S.®

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.

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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