

# Crosspath Services / Xtra-Sense Features: LFS-2 Attack Detector for Solid / Plastered / Partitioned Walls & Ceilings



The LFS-2 Detector is designed to detect attacks on internal :-

Solid—Cavity—Strong Room Walls and Ceilings

Wooden—Partitioned—Plasterboard—Plastered Walls and Ceilings

Unlike conventional vibration sensors the LFS-2 employs a new approach to monitoring attacks and significantly reduces the potential of false alarms due to localised vibration.

**Pressure:** A minor deflection or deformation of the wall surface

**Gross Attack:** Very high impact.

**Noise:** High frequency stress changes within the material.

**Alarm Outputs:** 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.

**Configuration:** Offers options including confirmed alarm status.

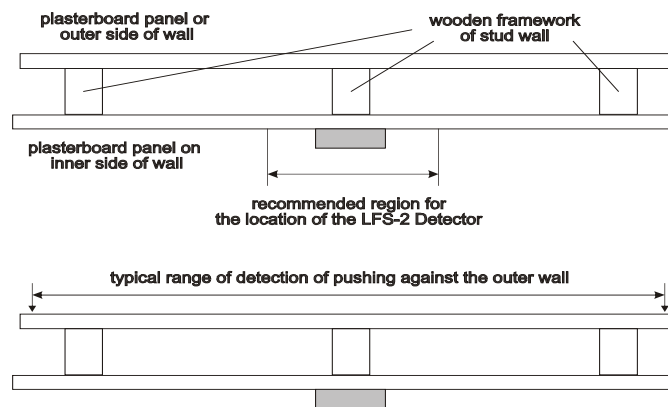
**Area of Coverage:**

Variable according to structure and thickness of wall or ceiling, and application. Based on a continuous flat standard brick cavity-wall construction with internal plaster layer, the detection range is up to approx. 1-0 to 1.5m radius from detector when the detector sensitivity is set to maximum.

**Sensitivity Settings:** Via dip switches which prohibit the LFS-2 from being switched off completely.

**Installation:** Package includes template and peripheral fixings and paperwork .

Figure 3- Section Down through a Typical Internal Stud Partition Wal Illustrating the Recommended Location and Typical Detection Range for the LFS-2 Detector



Server Rooms

ATM Kiosks

Early Warning

Store Rooms

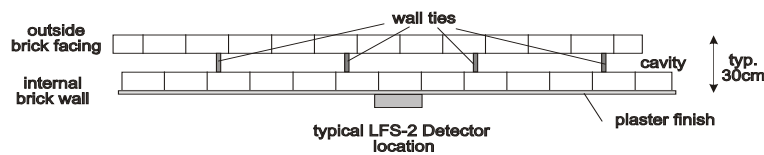
Dual Configuration

Floors

Confirmed Alarm Option

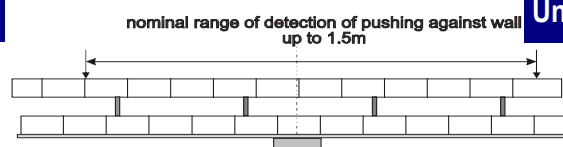
Rear Display Walls

Figure 4- Section Down Through a Typical Brick Cavity Wall Illustrating the Recommended Location and Typical Detection Range for the LFS-2 Detector



Reduced cost of False Alarms

Unique Detection Method of Attack



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.

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.

