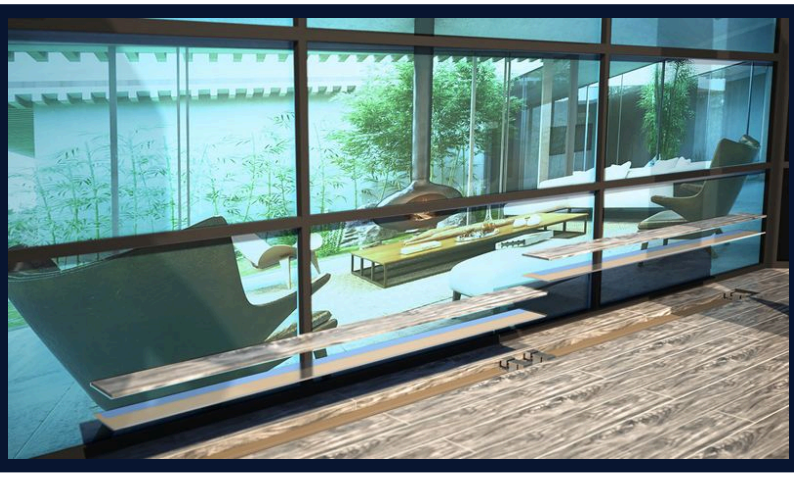
STRUCTURES & INTERIORS · FLOORS, DECKS AND STEPS

D-Floor

L6 Layer · The building

Pressure sensors under tiles, stone, wood or steel turn any floor, deck or stair into a silent alarm zone.



KEY BENEFITS

01 **Catch the intruder inside the line**
The floor itself reports him, after the wall and before the door.

02 **Nothing to see, nothing to avoid**
The zone is hidden, so an intruder cannot step around it.

03 **Pets and weather stay quiet**
The weight threshold ignores animals under about 25 kg.

HOW IT WORKS

01 **Floor sensors**
Pressure sensors on rails sit under the tiles, boards or plates.

02 **A step on the zone**
A person's weight changes the load; animals under about 25 kg stay below the threshold.

03 **Controller**
The alarm leaves as a dry contact or RS232 / RS485 message.

04 **Control centre**
The D-FENCE control centre, cameras and phone apps receive the event.

SPECIFICATIONS

Installed beneath	Tile, stone, wooden or stainless-steel flooring; metallic, wood or plastic decks
Installation size	No limitation
Detects	Stepping on or climbing onto the protected area
Animal immunity	Animals under about 25 kg do not trigger an alarm
Installation	Permanent or temporary
Variants	D-Deck (decks, passages, terraces, hallways) · D-Step (steps and stairs)
Detection force (residential range)	Standard 25 kg
Length of detection zone (residential range)	Max. 60 m
Processing unit (residential range)	Max. 16 sensors
Dry contact (residential range)	N.O. & N.C., 1A@12VDC
Power supply (residential range)	105mA@12VDC
Communication output	RS232 / RS485

Operating temperature	+72 °C to −25 °C (162 °F to −13 °F)
Humidity	> 95%
False alarm rate (catalogue)	Less than 1 per km per 3 months
MTBF	4.7 × 10⁸ h

TENDER SPECIFICATION TEXT

1. GENERAL

The system shall be D-Floor by D-FENCE Electronic Fencing and Security Systems Ltd. (ISO 9001:2015 certified quality management), or an approved equivalent that meets every requirement in this section.

2. FUNCTION

Pressure sensors under tiles, stone, wood or steel turn any floor, deck or stair into a silent alarm zone.

3. THE SYSTEM SHALL PROVIDE

- **Under any finish:** Tile, stone, wooden or stainless-steel flooring; metallic, wood or plastic decks.
- **No size limit:** From a single doormat to a whole terrace or hallway.
- **Animal-tolerant:** Animals weighing under about 25 kg do not trigger an alarm.
- **Invisible:** The protected tiles look exactly like every other tile on the floor.
- **Decks and steps:** D-Deck for decks, passages and terraces; D-Step for steps and stairs.
- **Permanent or temporary:** Built into a new floor, or laid for an event or a period of risk.

4. TECHNICAL REQUIREMENTS

- **Installed beneath:** Tile, stone, wooden or stainless-steel flooring; metallic, wood or plastic decks
- **Installation size:** No limitation
- **Detects:** Stepping on or climbing onto the protected area
- **Animal immunity:** Animals under about 25 kg do not trigger an alarm
- **Installation:** Permanent or temporary
- **Variants:** D-Deck (decks, passages, terraces, hallways) · D-Step (steps and stairs)
- **Detection force (residential range):** Standard 25 kg
- **Length of detection zone (residential range):** Max. 60 m
- **Processing unit (residential range):** Max. 16 sensors
- **Dry contact (residential range):** N.O. & N.C., 1A@12VDC
- **Power supply (residential range):** 105mA@12VDC
- **Communication output:** RS232 / RS485
- **Operating temperature:** +72 °C to −25 °C (162 °F to −13 °F)
- **Humidity:** > 95%
- **False alarm rate (catalogue):** Less than 1 per km per 3 months
- **MTBF:** 4.7 × 10⁸ h

5. DETECTION SEQUENCE

1. **Floor sensors:** Pressure sensors on rails sit under the tiles, boards or plates.
2. **A step on the zone:** A person's weight changes the load; animals under about 25 kg stay below the threshold.
3. **Controller:** The alarm leaves as a dry contact or RS232 / RS485 message.
4. **Control centre:** The D-FENCE control centre, cameras and phone apps receive the event.

6. SUBMITTALS

Before installation, the contractor shall submit the manufacturer's datasheet, the installation instructions and the zone layout for approval.