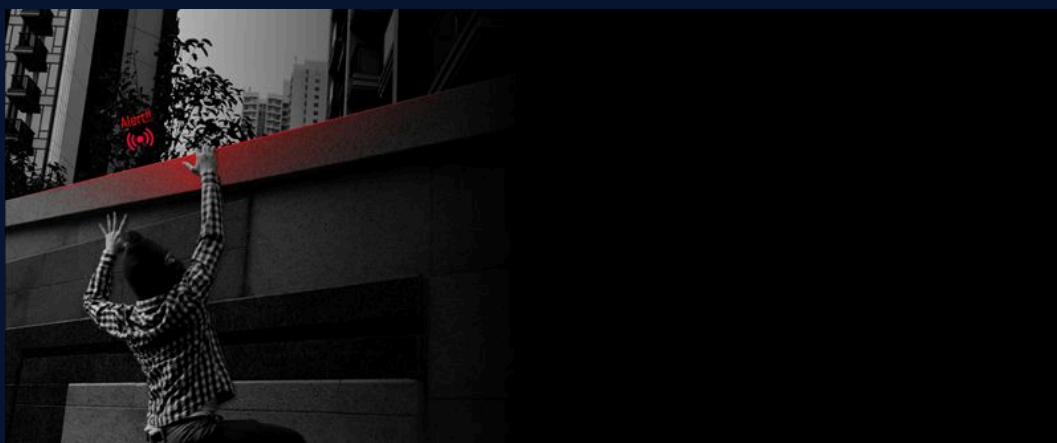


PERIMETER · WALL-CROWN PRESSURE SENSOR

D-Pressure Strip

L3 Layer · The perimeter line

A patented strain-gauge strip under the coping alarms when real weight lands on the wall, and ignores birds, cats and wind.



KEY BENEFITS

- 01 Real weight, not noise**
Alarms only above the set activation weight of 20 ± 10 kg; wind loads of 4–15 kg stay silent.
- 02 Invisible on the wall**
Hidden under a coping in stone, marble, metal or wood, so the wall keeps its design.
- 03 Fit and forget**
No moving parts, self-adjusting every second, 15+ years outdoors, 10-year sensor warranty.

HOW IT WORKS

- 01 Load on the crown**
A climber's weight presses the coping onto the strain-gauge sensors.
- 02 Sensor measures**
The sensor reads the real force and re-zeroes to the environment every second.
- 03 Controller decides**
Above the activation weight, the zone alarms in < 3 s.
- 04 Alarm out**
Dry contact or RS232 / RS485 into your alarm panel, VMS or D-Command Control.

SPECIFICATIONS

Alarm activation weight	20 ± 10 kg, set per site
Minimum trigger force (datasheet)	Typically 15 kg above the static weight of the cover
No alarm below threshold	Bird 0.1–1.5 kg · swaying plant 0.5–3 kg · cat 4.5 kg
Wind load under typhoon	4–15 kg, no alarm
Minimum weight of a person	55 kg
Alert response time	< 3 s
Cover (coping) weight	Up to 350 kg
Cover height and design	According to customer specification
Fence length	Unlimited
Length of system zone	12–24 m
Standard sensor	$250 \times 55 \times 25$ mm, stainless steel / aluminium alloy
Dry contact	N.O. & N.C. 1 A @ 48 VDC
Power supply	12 mA @ 48 VDC
Communication output	RS232 / RS485
Operating temperature	$+72$ °C to -25 °C

05 Response
Cameras, floodlights, siren and the guard's phone react to the exact zone.

Storage temperature	+80 °C to -55 °C
Humidity	95 %
Corrosion	Anti-corrosion treatment to MIL T 152; all parts stainless steel
Lightning & electronic transients	MIL STD 9094
EMI & RFI	MIL STD 461, 462
False alarm rate (catalogue)	Less than 1 per km per 3 months
MTBF sensor	4.7 × 10 ⁸ hours
MTTR	30 minutes
Outdoor service life	15+ years
Warranty	10 years on the sensors

TENDER SPECIFICATION TEXT

1. GENERAL

The system shall be D-Pressure Strip 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

A patented strain-gauge strip under the coping alarms when real weight lands on the wall, and ignores birds, cats and wind.

3. THE SYSTEM SHALL PROVIDE

- **Patented strain-gauge sensing:** Measures real force on the crown, not vibration.
- **Self-adjusting:** Recalibrates to the environment every second.
- **No moving parts:** Robust and maintenance-free, 15+ years outdoors.
- **Any wall, fence or gate:** New or existing, in concrete, stone, wood or metal.
- **Custom coping:** Marble, stone spray, metal paint or outdoor wood; height, width, length and colour to order.
- **Open integration:** Dry contact or RS232 / RS485 into alarm panels, VMS, PSIM or D-Command Control.

4. TECHNICAL REQUIREMENTS

- **Alarm activation weight:** 20 ± 10 kg, set per site
- **Minimum trigger force (datasheet):** Typically 15 kg above the static weight of the cover
- **No alarm below threshold:** Bird 0.1-1.5 kg · swaying plant 0.5-3 kg · cat 4.5 kg
- **Wind load under typhoon:** 4-15 kg, no alarm
- **Minimum weight of a person:** 55 kg
- **Alert response time:** < 3 s
- **Cover (coping) weight:** Up to 350 kg
- **Cover height and design:** According to customer specification
- **Fence length:** Unlimited
- **Length of system zone:** 12-24 m
- **Standard sensor:** 250 × 55 × 25 mm, stainless steel / aluminium alloy
- **Dry contact:** N.O. & N.C. 1 A @ 48 VDC
- **Power supply:** 12 mA @ 48 VDC
- **Communication output:** RS232 / RS485
- **Operating temperature:** +72 °C to -25 °C
- **Storage temperature:** +80 °C to -55 °C
- **Humidity:** 95 %

- **Corrosion:** Anti-corrosion treatment to MIL T 152; all parts stainless steel
- **Lightning & electronic transients:** MIL STD 9094
- **EMI & RFI:** MIL STD 461, 462
- **False alarm rate (catalogue):** Less than 1 per km per 3 months
- **MTBF sensor:** 4.7×10^8 hours
- **MTTR:** 30 minutes
- **Outdoor service life:** 15+ years
- **Warranty:** 10 years on the sensors

5. DETECTION SEQUENCE

1. **Load on the crown:** A climber's weight presses the coping onto the strain-gauge sensors.
2. **Sensor measures:** The sensor reads the real force and re-zeroes to the environment every second.
3. **Controller decides:** Above the activation weight, the zone alarms in < 3 s.
4. **Alarm out:** Dry contact or RS232 / RS485 into your alarm panel, VMS or D-Command Control.
5. **Response:** Cameras, floodlights, siren and the guard's phone react to the exact zone.

6. SUBMITTALS

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