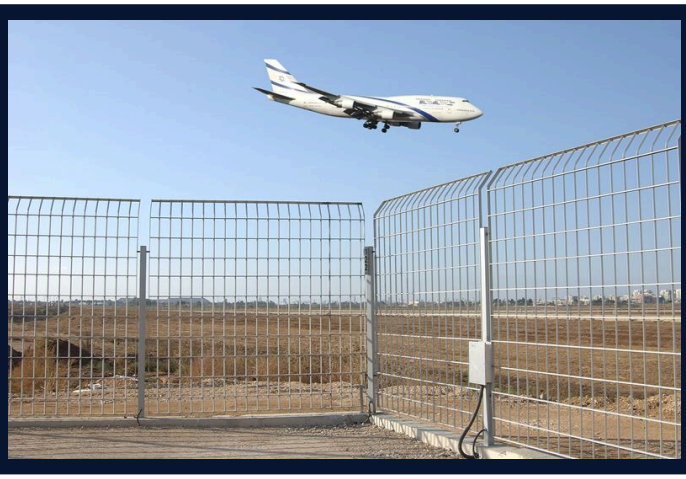
PERIMETER · ARCHITECTURAL FENCE

D-Corative

L3 Layer · The perimeter line

Ornamental fence panels on sensor posts that alarm on any climb, cut or leaning weight: high security that still looks welcoming.



KEY BENEFITS

01 **Security that looks like design**
Sensors hide inside the posts; the fence keeps the look you chose.

02 **Alarm on climb, cut or lean**
25 kg above the panel weight triggers an alarm for a 12–24 m zone.

03 **Airport-grade reference**
Selected for Ben Gurion International Airport after a long testing process.

HOW IT WORKS

01 **Sensor posts**
Concealed stainless-steel strain gauges carry each decorative panel.

02 **Load change**
A climb, a cut or a leaning weight changes the load on the post.

03 **Processing in the post**
Digital analysis checks the signal against the intrusion profile.

SPECIFICATIONS

Fence length	Unlimited
Zone length	12–24 m
Panel (frame) weight	Up to 100 kg
Panel height and design	To customer specification (catalogue model: 2 m)
Sensor	Stainless-steel strain gauges concealed in the sensor posts
Sensor post section	60 × 60 mm (2 m model)
Minimum trigger force	25 kg above the static weight of the panel
Dry contact	N.O. & N.C., 1 A @ 48 VDC
Power	12 mA @ 48 VDC
Communication	RS232 serial interface
Operating temperature	−25 °C to +72 °C (−13 °F to 162 °F)
Storage temperature	−55 °C to +80 °C (−67 °F to 176 °F)
Humidity	95%
Corrosion	Anti-corrosion treatment to MIL T 152; all parts stainless steel

04 **Zone alarm out**
Dry contact or RS232 to the control computer, CCTV, siren, smart-home system or SMS.

Lightning and electronic transients	MIL STD 9094
EMI / RFI	MIL STD 461, 462
False alarm rate (catalogue)	Less than 1 per km per 3 months (maximum)
MTTR	30 min
Warranty	10 years on the sensors

TENDER SPECIFICATION TEXT

1. GENERAL

The system shall be D-Corative 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

Ornamental fence panels on sensor posts that alarm on any climb, cut or leaning weight: high security that still looks welcoming.

3. THE SYSTEM SHALL PROVIDE

- **Concealed sensors:** Stainless-steel strain gauges sit inside the sensor posts, between post and panel.
- **Your design, your material:** Panels are made to your design in steel, stainless steel, iron or wood, each up to 100 kg.
- **Climb, cut or lean:** Alarms on climbing, on cutting and on a weight leaned against the fence.
- **Processing in the post:** Digital analysis against a defined intrusion profile minimizes false alarms.
- **Vandal-proof:** Tamper-resistant and unaffected by environmental changes.
- **Open integration:** Dry contact and RS232 to CCTV, alarm panels, smart-home systems, SMS and the control room.

4. TECHNICAL REQUIREMENTS

- **Fence length:** Unlimited
- **Zone length:** 12–24 m
- **Panel (frame) weight:** Up to 100 kg
- **Panel height and design:** To customer specification (catalogue model: 2 m)
- **Sensor:** Stainless-steel strain gauges concealed in the sensor posts
- **Sensor post section:** 60 × 60 mm (2 m model)
- **Minimum trigger force:** 25 kg above the static weight of the panel
- **Dry contact:** N.O. & N.C., 1 A @ 48 VDC
- **Power:** 12 mA @ 48 VDC
- **Communication:** RS232 serial interface
- **Operating temperature:** –25 °C to +72 °C (–13 °F to 162 °F)
- **Storage temperature:** –55 °C to +80 °C (–67 °F to 176 °F)
- **Humidity:** 95%
- **Corrosion:** Anti-corrosion treatment to MIL T 152; all parts stainless steel
- **Lightning and electronic transients:** MIL STD 9094
- **EMI / RFI:** MIL STD 461, 462
- **False alarm rate (catalogue):** Less than 1 per km per 3 months (maximum)
- **MTTR:** 30 min
- **Warranty:** 10 years on the sensors

5. DETECTION SEQUENCE

1. **Sensor posts:** Concealed stainless-steel strain gauges carry each decorative panel.
2. **Load change:** A climb, a cut or a leaning weight changes the load on the post.
3. **Processing in the post:** Digital analysis checks the signal against the intrusion profile.

4. **Zone alarm out:** Dry contact or RS232 to the control computer, CCTV, siren, smart-home system or SMS.

6. SUBMITTALS

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