PERIMETER · FIELD FENCE

D-Field Fence

L3 Layer · The perimeter line

Standard field fencing with D-FENCE sensor posts: fast to deploy along long open perimeters, as a retrofit or stand-alone.



KEY BENEFITS

01 **Fast over long distances**
Built on standard field fencing; no special skills or tools needed.

02 **Retrofit or stand-alone**
Add it to an existing fence or wall, or build a new line where there is none.

03 **No high voltage**
Electronic detection instead of a shock fence: no 10,000 V, no radiation.

HOW IT WORKS

01 **Sensor posts in the line**
D-FENCE sensor posts carry the field-fence wire at the height you need.

02 **Force on the wire**
A climb or a cut adds load; typically 15 kg above the static load triggers the alarm.

03 **Processing unit**
Up to 24 sensors per unit, in zones of up to 90 m.

04 **Alarm out**
Dry contact or RS232 / RS485 to your alarm system, cameras or D-Command Control.

SPECIFICATIONS

Fence length	Practical limitation only
Zone length	Up to 90 m
Fence height	To customer specification
Sensor unit	250 × 55 × 25 mm, 200 g
Processing unit	Up to 24 sensors
Minimum trigger force	Typically 15 kg above the static load
Dry contact	N.O. & N.C.
Power	48 VDC / 12 VDC
Communication	RS232 / RS485
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
False alarm rate (catalogue)	Less than 1 per km per 3 months (maximum)
Sensor MTBF	4.7×10^8 h
MTTR	30 min

Warranty	10 years on the sensors
Installation	Retrofit on existing fences or walls, or stand-alone
Patent	Patented (CN utility model, granted 2019)

TENDER SPECIFICATION TEXT

1. GENERAL

The system shall be D-Field Fence 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

Standard field fencing with D-FENCE sensor posts: fast to deploy along long open perimeters, as a retrofit or stand-alone.

3. THE SYSTEM SHALL PROVIDE

- **Field-fence based:** Uses standard, cost-effective field-type fencing.
- **Any height:** Installed at the height the site needs, without special skills or tools.
- **Retrofit or stand-alone:** Add it to an existing fence or wall, or build a new line where there is no fence.
- **Green Security Revolution:** No high voltage and no radiation: an electronic alternative to shock fences.
- **Up to 24 sensors per unit:** Zones of up to 90 m, with the location of the attempt.
- **Open outputs:** Dry contact N.O. & N.C. and RS232 / RS485.

4. TECHNICAL REQUIREMENTS

- **Fence length:** Practical limitation only
- **Zone length:** Up to 90 m
- **Fence height:** To customer specification
- **Sensor unit:** 250 × 55 × 25 mm, 200 g
- **Processing unit:** Up to 24 sensors
- **Minimum trigger force:** Typically 15 kg above the static load
- **Dry contact:** N.O. & N.C.
- **Power:** 48 VDC / 12 VDC
- **Communication:** RS232 / RS485
- **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
- **False alarm rate (catalogue):** Less than 1 per km per 3 months (maximum)
- **Sensor MTBF:** 4.7×10^8 h
- **MTTR:** 30 min
- **Warranty:** 10 years on the sensors
- **Installation:** Retrofit on existing fences or walls, or stand-alone
- **Patent:** Patented (CN utility model, granted 2019)

5. DETECTION SEQUENCE

1. **Sensor posts in the line:** D-FENCE sensor posts carry the field-fence wire at the height you need.
2. **Force on the wire:** A climb or a cut adds load; typically 15 kg above the static load triggers the alarm.
3. **Processing unit:** Up to 24 sensors per unit, in zones of up to 90 m.
4. **Alarm out:** Dry contact or RS232 / RS485 to your alarm system, cameras or D-Command Control.

6. SUBMITTALS

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