

PERIMETER THE FIRST LINE OF DEFENSE

SMART DOORS brings the latest range of perimeter detectors from **FORTEZA** - a leading manufacturer in Russia

FORTEZA FONAR
2.45 Ghz

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★ FORTEZA FONAR

These are garden lamps with automatic daylight switching that have two sets of microwave intrusion detectors concealed behind the black fibre body.

The two inbuilt detectors supervise adjacent arms of the rectangular perimeter. The 2TX detectors are placed diagonally, as are the 2RX.

Each such detector is capable of guarding a 50 meter sector and a couple of 2Tx + 2Rx will offer complete coverage around a 2500 Sq m area. additional detectors can be provided for larger perimeters.

Any intrusion across the supervised perimeter triggers the relay that in turn transmits the incident to the Alarm panel where the signal is processed to act as per customers desired response. (switch audio visual alarm, call the supervisor /police)

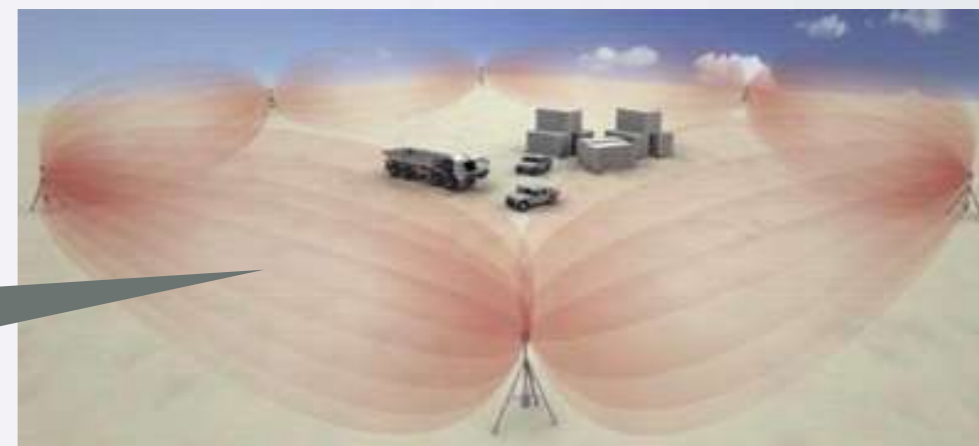
The alarm panel can be programmed to indicate / activate different response at different time schedules to minimize customer intervention.

The microwave detection beam is ellipsoid in nature and provides volumetric detection of intrusion. This further gives the option of eliminating false alarms by adjusting the signal threshold.

UNOBTRUSIVE VIRTUAL FENCING MOST SUITED FOR:

- ★Luxury Homes
- ★High Security VIP Accommodation
- ★Beach Homes
- ★Hill Resorts

Ellipsoid
Detection
Area





FMW 3/1 is an economy model of Perimeter Detectors. This detector offers a maximum detection range of 100 meters. the detection zone is up-to 1.8 meters in height and 5 meters in width.

This detector works on 9-30 VDC and draws around 45 ma of current. this makes it very suitable for locations where frequent power failures make other types ineffective.

The detectors are mounted at a height of 90 cm's from the ground and are immune to rain, wind, voltage fluctuations and even small animals. Intrusion triggers an alarm on the control panel.

ALARMS GENERATED BY INTRUSION ARE TRANSMITTED TO THE MICROPROCESSOR BASED PANEL WHICH REACTS IN ACCORDANCE WITH PROGRAMMED INSTRUCTIONS.

DAY TIME INTRUSIONS COULD SILENTLY ALERT THE GUARDS, WHEREAS NIGHT TIME INTRUSIONS COULD GENERATE LOUD SOUNDERS AND FLASHERS TO ATTRACT ATTENTION. ADDITIONALLY THEY COULD MAKE VOICE CALLS, SEND SMS/EMAILS TO MULTIPLE INDIVIDUALS.

- * LARGE INDUSTRIAL AREAS
- * AIRPORTS
- * DEFENSE COMPLEXES
- * SCHOOLS
- * HOTELS
- * RAIL YARDS
- * ANIMAL FARMS

FMW 3/1
2.45 GHz





TRIBO This is a dedicated solution for large perimeters of up-to a 1000 meters of Metal Fencing.

Essentially, a vibration detector that alarms on intrusion or damage to the fencing itself.

A special termination circuit at the end of each arm maintains equilibrium in the electronic controller.

The system is installed using a computer to balance the circuit, fine-tune and calibrate the system to effectively detect and eliminate false alarms.

At the heart of the system is the specially provided TRIBO CABLE that effectively detects attempts of Intrusion and physical damage to the fencing.

Wire Fence extending 250 Meters on either side of the Controller can be protected using a single TRIBO controller. Two parallel TRIBO cables are fixed on the wire fencing thus creating a protected area.

However, the same may be extended by using a single cable. In which case it is possible to monitor a length of 500 Meters on each arm. Thus enabling protection of a 1000 Meters of fencing with a single Detector.

Any force, movement, vibration, cutting and sawing triggers an alarm in the controller, which is then transmitted to the Alarm Panel.

TRIBO is ideally suited for deployment in harsh environmental conditions since it is unaffected by changes in Weather and Electromagnetic influence.





RELIEF

This is a long range perimeter detector that is suitable for non linear and uneven terrain.

A dedicated solution for protection of open areas, where no boundary wall or fencing exists or is possible.

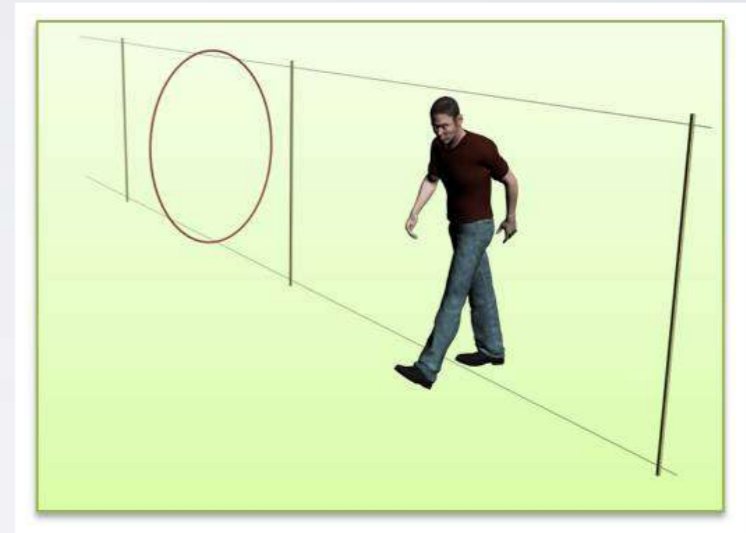
This is a Two Wire system where the upper and lower wires run parallel to each other and the electromagnetic field between them functions as a detector

The detector permit Two separate types of installation, Visor and Ground. In the First option the detector is installed atop the boundary wall of the protected area, whereas the second option allows a detection zone to be created between the ground cable and the upper cable that is installed on fibre-glass poles.

The detected zone can be a rectangular area, thus allowing a single detector to fully protect a large area.

A transmitter is connected to its one end; a receiver is connected to the other end. The change of electromagnetic wave parameters causes an alarm.

The Transmitter and Receiver generate a volumetric detection zone between the “peak” (visor) or “ground” type, This DZ s is generated between the insulated wires fixed parallel to each other on dielectric consoles along the protected perimeter.



SMART DOORS

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