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Lock the stable door after the horse has bolted.

거안 사위(居安思危)

in case of Disaster: Prevention is the Best.

"Preparing with a small amount of money is like spending a lot of money. It's worth it."

"Benjamin Franklin"



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SINCE 2016

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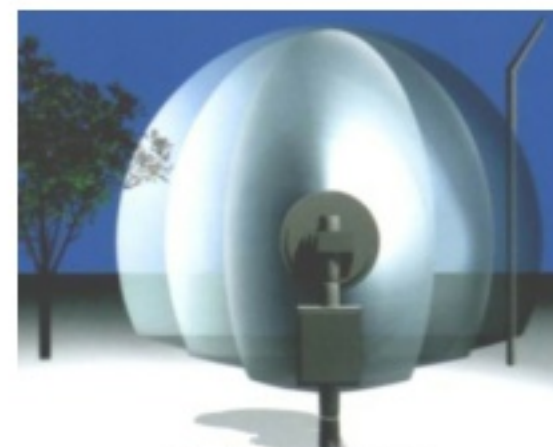
Microwave ERM0482X

PIDS(Perimeter Intrusion Detection System)





Microwave enclosure dedicated to perfect security up to 250m



Regulation with FSTD



Normal detection pattern regulation

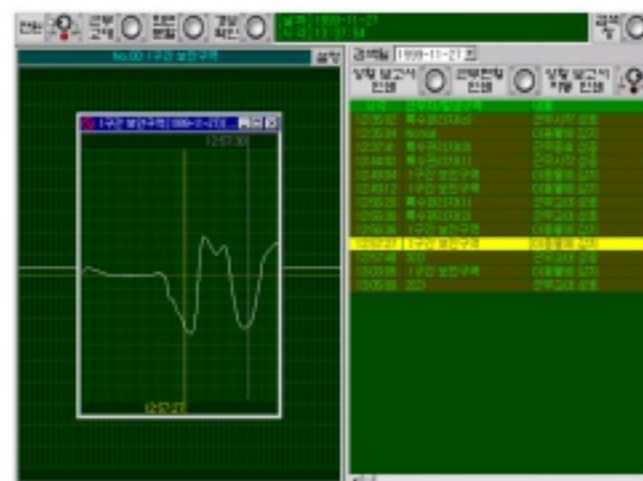
- The ERM0482X is a digital microwave device that can detect 50m, 80m, 120m, 250m according to the protected area
- The ERM0482X Microprocessor analyzes the signal based on the fuzzy theory.
- Enable microwave equipment with minimal malfunction and highest detection rate.
- ERM0482X analyzes whether it is intentional intruder or intentional intruder and continuously measures movement and shape comparing with stored signal.

DIGITAL ANALYSIS THROUGH FUZZY LOGIC

FBM(Fuzzy Behaviour Models)

FSTD(Fussy Side Target Discrimination)

- Comparing the waveforms generated by the detected objects in the detection zone, it is possible to compare and identify persons and other objects for intrusion.
- It is the best equipment for critical security areas, nuclear power plants, prisons, military units, chemical plants, and industrial zones.



Specifications

Range	250 m
Frequency	K-Band [24GHz]
Modulation Channels	16 crystal controlled.
Probability of Detection	0.99 minimum based on S/N ratio.
False Alarm Rate	1/unit/year based on S/N ratio
Temperature	-35 °C / +65 °C
Alarm outputs	3 Solid state relays for Alarm, Fault, Tamper.
Power Supply AC Vac -DC VCD	19Vac - 13.8Vdc , 24Vdc
Electronical alignment check	It provides a mathematical evaluation of the alignment precision
Alignment	Incorporated audio-visual instrument
Special	Remote setting and maintenance

Application :

- National Facilities
Museum, Art gallery.
- Military Base.



Ministry of Unification

