

MBS- 404[®]

SENSOR

Passive Magnetic Concealed Sensor Cable



- Concealed, Buried and Undetectable.
- Detects movement of ferromagnetic materials.
- Passive Operation. (NO RADIATED MAGNETIC FIELDS).
- Magnetic Anomaly Detection (MAD™) principle.
- High Probability of Detection (Pd).
- Low false alarm rate.
- Unaffected by nuisance alarms caused by weather conditions or animals.



MBS-404

SENSOR

MBS-404 is a concealed and passive perimeter intrusion detection sensor system that is designed to detect and locate intruders moving over an unseen boundary and perimeter line.

The **MBS-404** system is based on the 'Magnetic Anomaly Detection (MAD)' principle. The system is designed to detect the local change in magnetic flux caused by movement of ferromagnetic materials and ignore local changes in magnetic flux caused by other sources.

The movement of ferromagnetic materials (iron or steel) is one source that causes local changes to the magnetic flux of the earth.

In principle, the **MBS-404** is a moving iron or steel detector. Its high probability of detection is based on the proven assumption that intruders carry weapons, military equipment, cameras, wire-cutters, keys, cellular telephones, or other such tools of their trade.

These and many other items contain ferromagnetic material and when passed across the system, a measurable current is induced to the system's sensors.

Being that the sensor cables are concealed, the detection field is therefore invisible and does not change the aesthetics of the site. Possible intruders are unaware of the presence or exact location of the **MBS-404** detection field which contributes to the avoidance of any attempt to tamper with, or defeat the system.

