

SOLARIS

58kHz EAS SYSTEM



FEATURES

- Software Tuneable
- Plug and play installation
- Remote Access
- People Counter Option
- Jammer Alarm
- Near Tag Alarm
- Internal Failure alarm
- Multiple configuration options
- Easy Advertisement / Personalization
- Designed and manufactured in Europe
- CE approved
- ROHS & low consumption
- External relay
- Tuneable alarm
- Top European Design

CONNECTIVITY

- Laptop / Software
- TOTAL IT
- MODEM
- Internet
- GSM MODEM

COVERAGE

	SUPERTAG/DR LABEL	SUPERPENCIL
MONOANTENNA	Up to 0,75 m	Up to 1,2 m
DUAL	Up to 1,8 m	Up to 2,6 m
SPLIT	Up to 3,6 m	Up to 5,2 m

INSTALLATION RECOMMENDATIONS

58kHz systems RX antennas receive the EM field reradiated by tags. This field is affected by any EM noise in the 58kHz band. Then:

- Sources of EM noise in 58kHz: Neon lamps, switching Power Supplies, Screens, Air Conditioning.
- Install the system minimum 2 meter* from the source of noise, if not, neutralize source of noise or reduce gate distance till necessary.

*Distance to source of noise depends on power and average noise.

SOLARIS systems have the resistant, top design, top detection and also you can slide easily your marketing and advertisement campaigns. Dexilon 58kHz systems can detect any 58kHz tag or label. The system includes Digital Processing System (DPS) in order to achieve a great detection range, filtering noise and avoiding possible false alarms. Dexilon 58kHz systems can adapt any situation and have several configurations:

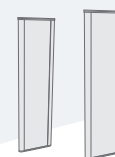
MONOANTENNA:

1 Transceiver pedestal



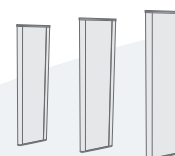
DUAL SYSTEM:

2 pedestals (TX and RX antennas)



TWO AISLE SYSTEM:

3 pedestals (TX and 2 RX antennas)



SYSTEM SPECIFICATIONS

Electrical

- Primary input: 110-120Vac/220-240Vac, 1A@50-60Hz, factory selectable.

Transmitter

- Outputs: 2 Ports for 2 RX antennas.
- Operating Frequency: 58kHz.
- Transmit burst duration: 0,6-1,6ms
- Transmit current: 18 A peak
- Burst repetition rate (50Hz):
 - TX Mode 1: 50Hz (TX burst 1,6ms)
 - TX Mode 2: 75Hz (TX burst 1,6ms)
 - TX Mode 3: 150Hz (TX burst 0,6ms)
- Burst repetition rate (60Hz):
 - TX Mode 1: 60Hz (TX burst 1,6ms)
 - TX Mode 2: 90Hz (TX burst 1,6ms)
 - TX Mode 3: 180Hz (TX burst 0,6ms)
- Transmit coil resistance: 1,5 ohms.
- Alarm lamp duration: 1 to 10 sec.
- Alarm audio duration: 1 to 10 sec.
- Audio decibel level: 90dB @ 1 meter.
- External Relay

Receiver

- Inputs: 2 ports for 2 TX antennas.
- Centre frequency: 58kHz.
- Pedestal coil resistance: 1,5 ohms.

Environmental

- Operating temperature: 0°C to 50°.
- Relative Humidity: 0 to 90% Non-Condensing.

Mechanical

- Pedestal (HxWxD): 145x40x6,5
- Weight (Tx Ped): 10 Kg
- Weight (Rx Ped): 9 Kg

Regulatory:

EEC Directives:73/23/EEC Low Voltage Directive, 89/336/EEC Electromagnetic Compatibility Directive, 99/5/EC Radio and Telecommunications Terminal Equipment Directive, EN 60950-1:2001, EN 50364:2001, EN 301489-1:2002, EN 301489-3:2002, EN 300330-2:2001.