

## Authorised Distributor:

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## SOLARIS PLEXI



## 58kHz EAS SYSTEM

PLEXI systems have transparent acrylic material for extra elegance. 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:

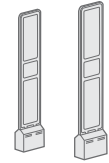
### MONOANTENNA:

1 Transceiver pedestal



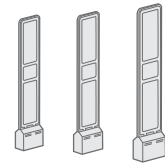
### DUAL SYSTEM:

2 pedestals (TX and RX antennas)



### TWO AISLE SYSTEM:

3 pedestals (TX and 2 RX antennas)



## 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

	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

\* Either side of antenna

## 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.

## 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): 150x30x12
- Weight (Tx Ped): 20 Kg
- Weight (Rx Ped): 19 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.