

TPS002

Table Position System

FENGYU



TPS002

Table Position System

Main Features

- Use RFID technology for an EM card detection on each table
- Use light sensor to detect the placement of TPS Tracker
- Use of LED and buzzer beep sound to indicate a successful EM card detection
- A unique number printed on the surface of each TPS Tracker to represent a receipt number
- Use of 2.4GHz RF interface for sending TPS Tracker's number and EM card information to the TPS Display
- Made with PC plastic
- Amplified RF interface, being tested with strong noisy environment
- With low battery level LED indicator

Technical Data

[Electronics]

- Power Supply: lithium battery for TPS Tracker and transformer for TPS Charger
- Transformer Output Voltage: 12V for TPS Charger
- Current Consumption: ~130mA for operating, ~10mA for idle
- Battery Life: around one week

[Wireless Specifications]

- 2.4GHz frequency band
- FSK modulation
- FCC and CE compliant
- RF output power: 18dBm
- Receiver sensitivity: -120dBm
- Up to 50 meters range

[Dongle (for TPS Display)]

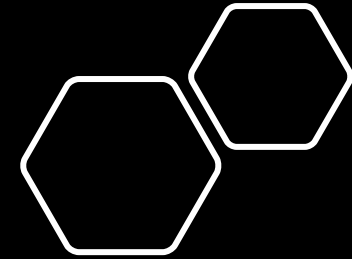
- USB interface
- Input Voltage Range: 5V/DC +/- 10%
- Current Input: 100mA max
- Use standard USB HID driver for the keyboard driver

[RFID Specifications]

- Multiple transponder protocol compatibility, for example, EM4102, EM4200, EM4450 and EM4205/EM4305
- 100 to 150 kHz carrier frequency range
- Data transmission by OOK (100% amplitude Modulation) using bridge driver

[Others (TPS Tracker)]

- Storage temperature: -40°C to +70°C
- Operating temperature: 0°C to +70°C
- Operating humidity: 100%
- Dimensions: 88 mm x 85 mm x 32mm
- Weight: 105g



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