RAMAC™ PTNZ1

Potenza Sensor

The RAMAC™ Potenza Sensor is a device built specifically for monitoring overhead power lines. Typically, a RAMAC™ Potenza Sensor is installed at regular intervals on a transmission line, and GPS coordinates of each device are captured with the RAMAC™ Mobile Application during installation. Once the power line is vandalized (i.e. lines cut, links cut, lines removed), the RAMAC™ Potenza Sensor will send an alert to the RAMAC™ Portal. This enables response to a specific location.

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RAMAC™ PTNZ1

G-Matrix Systems

Integrated System Design

Your Full IoT

Turnkey Solution Partner

Hardware development, prototyping, firmware development, database design, testing integration and web integration.

WHY CHOOSE US?

Benefits Include

- The RAMAC™ Potenza Sensor is powered by one 1.5 D-Cell battery. Battery life is estimated at up to 4 years. For reliable operation of the RAMAC™ Potenza Sensor, the battery should be replaced every four years.
- Detects power loss and restore on high voltage overhead lines.

DATA SHEET

CONNECTIVITY

Bluetooth Low Energy
SigFox RCZ1 - Class 0
LoRaWAN Capable

BATTERY

Equipped with 1.5V D-Cell
4 Years Battery Life
Online battery indicator
Heartbeat sent once a day

SPECIFICATIONS

SigFox RC1 Region
Available in LoRaWAN
ICASA Approved
IP54 Rugged Housing
Dimensions (LXWXH): 62 X 71 X 142 mm
Operating Temperature: -20°C to +70°C

CLOUD COMPUTING SERVICES

RAMAC™ platform is MS AZURE hosted
3rd Party API Integration Available
Project Progress Management
User Management and Control
Client Customization
Full Reporting

WHY CHOOSE US?

More Benefits

- Multiple reports available:
  - Power lost.
  - Power restores.
  - Low battery voltage.
- Wirelessly via RF to the SigFox network.
- Available in LoRaWAN.