

RAMAC™ DS1

Temperature Sensor

The RAMAC™ Temperature Sensor is a multi-purpose temperature measuring device. The external temperature sensor allows for local remote measurements, is waterproof and handles high temperatures. A built-in magnet sensor enables the device to monitor doors that can transmit on Open/Closed status changes. Temperature alarm levels can be configured on the sensor using the RAMAC™ Mobile Application to generate alerts if and when the temperature levels are exceeded.



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RAMAC™ DS1



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

- Remotely configurable minimum and maximum limits via the RAMAC™ Portal once a day.
- Transmits external and internal temperature readings.
- The internal temperature reading provides additional data points.
- A status message will be sent on a door status change.
- The temperature alarms settings can also be configured locally by an Operator using the RAMAC™ Mobile Application, following a scheduled work order by an Administrator on the RAMAC™ Portal.

DATA SHEET



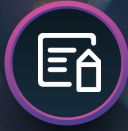
CONNECTIVITY

Bluetooth Low Energy (BLE) 5.0 Compatible
SigFox RCZ1 - Class 0



BATTERY

Equipped with Li-SOCL2
+5 Years Battery Life
Online Battery Indicator
Heartbeat sent once a day



SPECIFICATIONS

SigFox Certified
ICASA Approved
IP65 Water and Dust Proof
Operating Temperature: -10°C to +60°C
Various Mounting Options



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

- Up to 8 temperature points are kept locally, and up to 7 lower resolution, historical temperature points are sent with every temperature update interval used as a fallback if data was lost due to network coverage problems or lost packets.
- API integration and portable form factor.
- Long range real-time communication utilizing SigFox.
- Low cost and simple installation.
- Daily self-diagnoses via heartbeat message.
- API integration.

