

MD1 Motion Detector Sensor

The IES MD1 Motion Detect Sensor is a SigFox Ready device specifically designed to monitor movement. The 3-axis accelerometer allows the device to enter an ultra-low power state yet still wake up immediately on movement detection. This will enable customers to use the device to monitor motion or tilt on any assets that could be stationary. The rugged sensor allows real-time monitoring and incorporates Bluetooth Low Energy (BLE) functionality, enabling the device to be wirelessly configured, set up, and commissioned.

Underground detection sensor




Connectivity

- Bluetooth Low Energy
- SigFox RCZI - Class 0
- LoRaWAN Capable

Battery

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

Specifications

- SigFox Certified
- ICASA Approved
- IP68 Rugged Housing
- Dimensions (LxWxH): 120 x 20 x 110 mm
- Operating Temperature: -10°C to +60°C

Cloud Computing Services

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

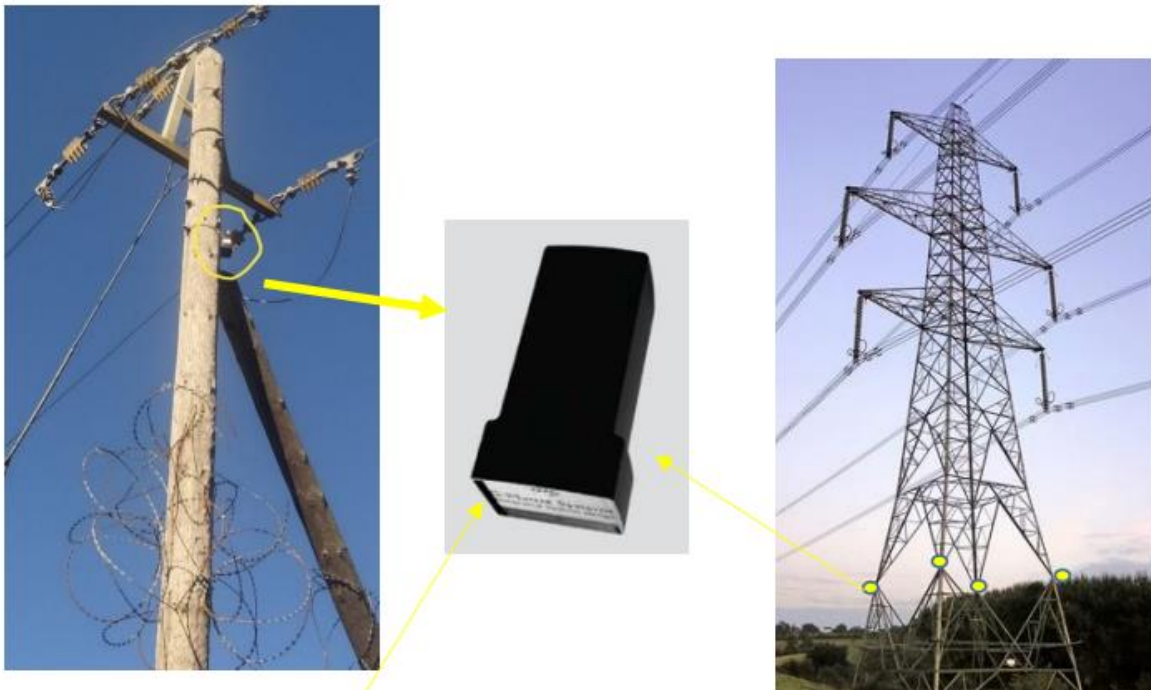
TMST1 ADVANCED PERIMETER SENSOR

The IES TMST1 unit is an advanced perimeter sensor designed for intrusion detection on prefabricated walls (prefab), palisades, weld mesh, and game fences. The sensor is typically installed on the existing structure to provide high-security detection against breakthrough, climbing, and wire-cutting attempts. The IES TMST1 utilizes the REMAC Mobile Application for installation and setup. Intrusion events are sent to the REMAC Portal.

Benefits Include:

- The IES TMST1 unit sends a keep-alive report periodically to the LPWAN, reporting on its battery level and RF signal strength to the REMAC Portal.
- Trigger – When an event occurs on an IES TMST1 and the device's detection threshold is exceeded, the IES TMST1 unit sends an alarm report to the LPWAN, indicating whether it is a high (cut) or low (climb) frequency alarm.

TMST1 detection sensor





Data sheet



Web Portal

August 2023 08 11 Thu

Online Devices: 4 Offline Devices: 95

Device ID: Name: Installed Device: All

Sort By: Device ID Sort Order: Ascending

Clear Search

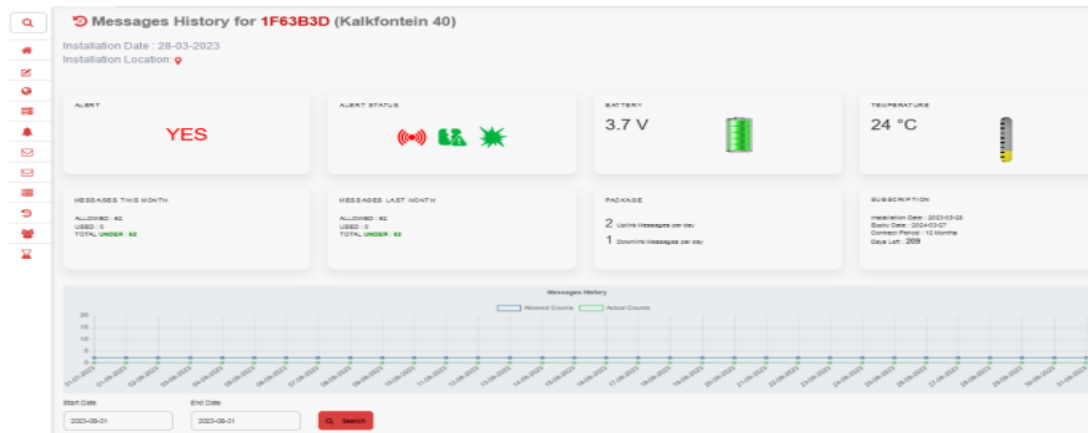
ACTION	DEVICE ID	SUBSCRIPTION START	SUBSCRIPTION END	NAME	FW VERSION	LAST BEAN	ALERT	ALERT STATUS	SOFT SUSPENDED	NOTIFICATION
<input type="checkbox"/>	17898320	26-03-2023	27-03-2024	Kalkbrenn 40 GF	0	3 months ago	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	17898110	13-03-2023	12-03-2024	Kalkbrenn 13 GF	0	5 months ago	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	17898020	13-03-2023	12-03-2024	Kalkbrenn 29 GF	0	4 months ago	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	17898000	13-03-2023	12-03-2024	Kalkbrenn 33 GF	0	5 months ago	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	17898044	13-03-2023	12-03-2024	Kalkbrenn 3 GF	0	3 months ago	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	17898070	26-03-2023	27-03-2024	Kalkbrenn 34 GF	12	4 months ago	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	17898078	26-03-2023	27-03-2024	Kalkbrenn 40 GF	12	2 months ago	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	17898080	26-03-2023	27-03-2024	Kalkbrenn 36 GF	12	5 months ago	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	17898088	17-03-2023	18-03-2024	Kalkbrenn 10 GF	12	3 months ago	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

All the triggers will display on the Web Portal and you will also receive an email as soon as trigger is activated.

From: REMACV2 <notifications@remal.io>
Sent: Thursday, 31 August 2023 07:36
To: infedsol@gmail.com
Subject: IESV2 : Motion is detected for MD1 Device

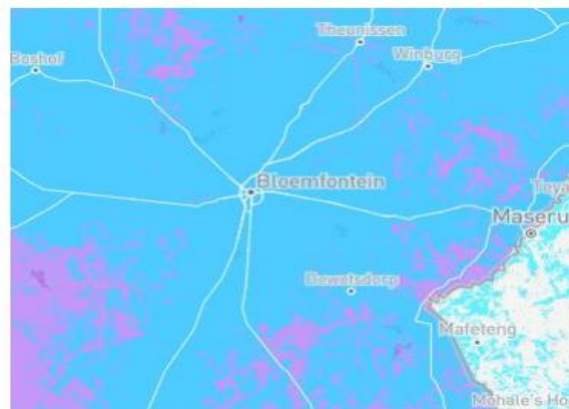
Motion is detected for MD1 Device
Device:C715B9
Name:Test Sensor C715B9
Date time:2023-08-31 07:35:53
Account:IES IOT SOLUTIONS
<https://portal.remal.io/vd/C715B9/15>
[Click Here](#) to view Insallation location on map.

Detail of device



The above device is buried 1.2m under the ground level and communicate once a day with the system to send a “heartbeat”. The “heartbeat” is to indicate that the sensor battery is in a good state and the system is “alive”.

Sigfox coverage



Sigfox 0G technology is an Low-Power Wide-Area (LPWA) networking protocol [owned by UnaBiz](#). It is designed to connect sensors and devices securely at low-cost in the most energy efficient way to enable Massive IoT.

Since its inception in 2010, the 0G technology has been adopted by 70+ national 0G Network Operators globally. The 0G Operators own and commercialize the global 0G network in the respective countries they operate in.

Today, UnaBiz, the 0G Operators, and over 800+ ecosystem of IoT players (chip manufacturers, device makers, solution providers, system integrators) collaborate to provide the global 0G Network and Massive IoT solutions and services to over 1,500+ B2B customers, connecting over 11 million devices.



We thank you for the opportunity to quote, and look forward to your further advices. Should you require any further details please contact me.

If we can be of any assistance in ensuring the success of your next project, please do not hesitate to call.

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I hope you find this email in order and looking forward to your response.

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