GSS Wireless Repeater

GLOBAL SENSING SOLUTIONS

To support sensor distance and provide a reliable wireless network

GSS wireless repeaters are designed to allow GSS sensors to be placed long distances away from the management console and provide a reliable wireless network by allowing sensors multiple paths back to the management console.

Operating Parameters	
Communication	
Standards	2.4 GHz 6LoWPAN and 802.15.4e standards
Range	Up to 300m line of sight with internal / external antenna
Reliability	>99.999%
Upload Rate	~3.2Kb/s
Security	Secure Mesh with 128-bit AES Encryption. NIST Certified Security
Power & Environmental	
Operating Mode	Repeater
Internal Battery Life	1,000 days (2 x AA batteries)
With Solar Cell	2,000 days (8volt 40ma)
Operating Temperature	-10 °C TO +85 °C (Alkaline batteries)
Mechanical Shock Limit	500 G (Calibration Unaffected) 1000 G (Bias Affected) 5000 G (Survivability)
Weight	~150grams
Regulatory Compliance	ROHS, CE, Korea: CRM LT9 Eterna, Japan: 208-130008, IC: 5853A Eterna2, FCC ID: SJC Eterna2
Operating Environment	
Software	GSS Management Application (Windows XP,7,8 and 10)
Options	
Cases	Various cases and mounting options are available

Features

- No Cables - Complete Wireless Solution[1]
- Easy to Install and Uninstall – No Technician Needed
- Totally Sealed Case with Magnet On/Off Switch
- Remotely Managed
- Up to 100 Repeaters/Sensors per Wireless Mesh Network
- Network can Span Kilometers
- Low Power Battery Operation – Can Last Years
- Powered by Replaceable and Readily Available Alkaline Batteries
- High Reliability Network and Data Transfer
- Heartbeat Message
- Energy Harvesting Option[2]

[1] Requires Management Node
[2] Requires External Solar Panel