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Wireless air temperature logger - specifications

Highly accurate wireless ambient (air) temperature logger allows you to monitor your critical temperatures in near real time with alerts sent direct to your mobile phone.

Ideal for monitoring refrigeration, storage and ambient conditions, too hot/ cold alarms can be programmed. Receiver connectivity alarms can also be activated to warn of power outage/ internet disruptions to your facility.

Long wireless range of 210m, and a wide temperature range from -40°C to 85°C makes this ideal for nearly any monitoring situation.

Freely available mobile application available for Android and iPhone/ iPad. Web browser application also available.

Data logging frequency is user programmable, all data is stored on the cloud for lifetime storage and reviewing.

The wireless logger requires one wireless receiver for data communication.

PRICE:

Wireless ambient logger: $115.00 per unit plus delivery and GST.
Wireless receiver: $145.00 per unit plus delivery and GST.

Battery type	CR2032 x1 (replaceable)
Battery life	2 to 85 months depending on usage and response delay setting
Range	210m line of sight, 1.5m from ground, default setting.
Beeper sound level	75dBA at 10cm
Temperature	Operation range: -40°C to 85°C non-condensing except rain-proof versions
Accuracy	+/- 0.4°C max
Resolution	0.02°C
Humidity	+/-2% RH error), 10-bit resolution (0.12% step)
Size and weight	Height: 44 mm Width: 41 mm Thickness: 8.5 mm Weight: 15 g

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Wireless thermocouple logger - specifications

The wireless thermocouple logger allows you to connect one thermocouple probe to monitor external (product) temperature conditions.

You can connect any k-type thermocouple available on the market with the yellow plug (indicates it is k-type) Omega type connector. Some probe may require you to disassemble/reassemble the connector in order to pass through the cable gland (accepts up to 8mm diameter cable) to achieve water tight seal. Our all-stainless steel probe (rated 0°C-400°C) can be purchased together and passed through the cable gland without disassembly.

Once probe has been correctly installed through the gland, the logger and probe combination is completely waterproof, rated to IP68.

Depending on the type of thermocouple connected, this logger is perfect for monitoring and logging temperature of dishwashers, ovens, BBQ pit, grills, extreme low temperature freezers, etc.

The wireless logger requires one wireless receiver for data communication.

PRICE:

Wireless thermocouple logger (including probe): $165.00 per unit plus delivery and GST.
Wireless receiver: $145.00 per unit plus delivery and GST.

Battery Type	1/2 AA, 3.6V x1
Battery Life	5 years (typical at 10 minute logging interval)
Range	210m line of sight, 1.5m from ground, default setting.
Memory	8192 data points
Thermocouple Temperature Range	-270°C to 1372°C (completely dependent on thermocouple)
Thermocouple Temperature Accuracy	Highly accurate 16-bit ADC with +/-0.5°C error cold junction compensation sensor
Thermocouple probe dimensions	1m stainless steel cable, 4mm stainless steel probe
Logger Size and weight	Length (without probe): 120 mm Diameter: 36 mm Weight: 60~63 g depending on probe option

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Size and weight	Height: 22 mm Width: 55 mm Depth: 48 mm Weight: 55 g w/o AC adapter
Connects	Up to 40 individual loggers
Range	210m line of sight, 1.5m from ground, default setting.
Indicator lights	**Error light.** Flashes when trying to configure itself to connect to the Internet (when acquiring IP address through DHCP). Rapidly flashes when trying to connect to web service.
	Connected light. Lights up when connected to the cloud based web service.
	Update light. Flashes when forwarding a Wireless Sensor Tag reading to the web service.
	Login light. Lights up when connection is temporarily interrupted (when trying to re-connect to the web service)
	Radio light. Gradually ramps up and down when radio is ready to receive sensor tag readings. Becomes solid when radio is transmitting a command to Wireless sensor tags.
Ethernet port	10Base-T Requires DHCP server (Most routers/modems typically support DHCP) Firewall must allow outgoing HTTP (port 80) and port 6667 connection
AC adapter	100V~240V input 50/60Hz 5V output 300mA max current
User interface	Email, Twitter, Push Notifications
Bandwidth requirements	660 byte upload (TX) per event (typical) 401 byte download (RX) per event (typical) "event" refers to motion events and each logged temperature data point (occurs at your configured auto-update interval) 601 byte upload (TX) and 402 byte download (RX) per tag manager ping (once every 5 minutes)

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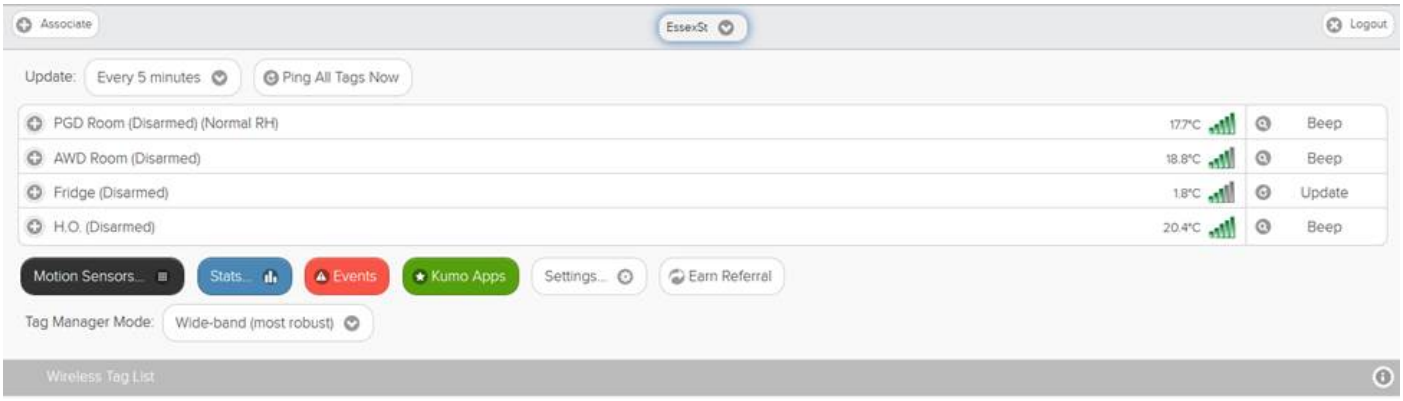
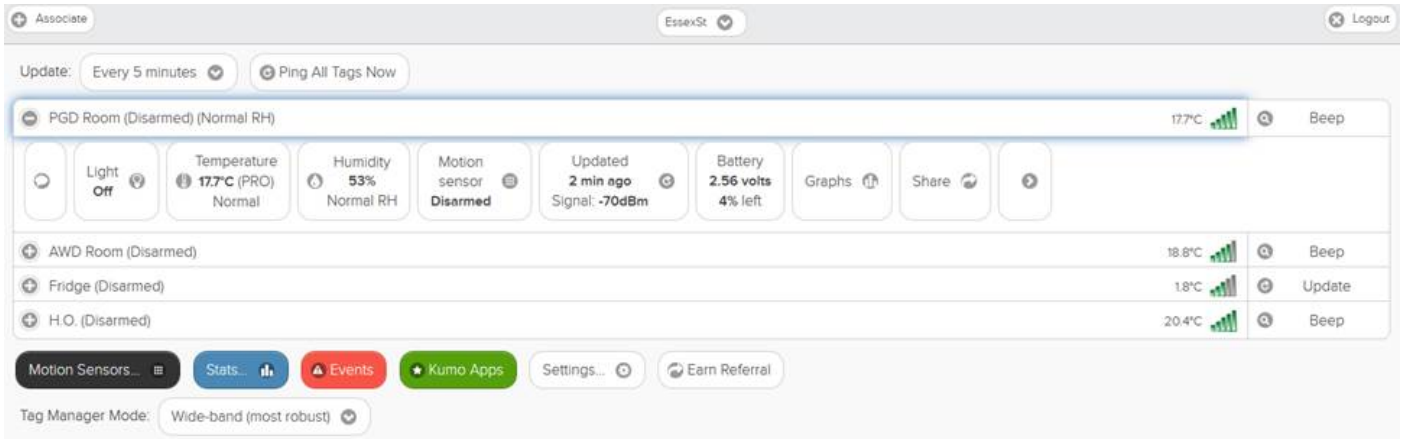
Web interface examples

Active logger overview



Expanded individual logger view



Temperature and alert configuration