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LocoTag - User Manual (English - North America, EMEA, APAC)

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LocoTags have been designed to make finding people or assets easy. They broadcast their presence to nearby LocoTrack devices and other sensor information if available.

Product Variants & Functionality

The LocoTag family of 5 variants are based on the root E4BL tag. The LocoTags are all built on the same hardware and have the same form factor. The differences between the variants are as follows:

E4BL	Proximity, temperature, humidity and logging
P4P, P4B	Proximity
E4P, E4B	Proximity, temperature and humidity

Model	Protocol	Battery Life
E4BL	BLE Discoverable	Up to 1 year
P4P	Proprietary	Up to 5 years
P4B	BLE Discoverable	Up to 1 year
E4P	Proprietary	Up to 5 years
E4B	BLE Discoverable	Up to 1 year

The variants with the 'E' prefix have a temperature and humidity sensor fitted that can be NIST calibrated.

The variants with the 'P' suffix broadcast less frequently and so have a longer battery life.

The dimensions are 57x32x11 mm

The datasheet is appended to the bottom of the article.

Key Features

- Small, covert and easy to install
- Long battery life of up to 5 years
- Room level, near-real-time localisation
- Reports every 5 or 10 seconds
- Logs every 15 minutes
- Up to 80m range
- Uses proprietary protocol over 2.4 GHz
- Sensor options include temperature and humidity

General Device Operation

The LocoTag is designed to be very simple to install and use. As such the tags are configurable at build time only.



Simply snap off the tab, peel the back off to reveal the sticky pad and fix in place

Product Label

The product label can be found printed on the LocoTag label - affixed to the front of the device. The label contains the following information:

- Device ID – The device ID is unique to each device and is used to locate and monitor the device via the LocoAware website. The barcode is an encoded version of the Device ID that can be scanned.
- FCC ID – The FCC ID for the LocoTag
- Model/Variant – e.g. LocoTag E4BL
- Regulatory Symbols and IDs, FCC, IC, CE, Giteki and do not dispose symbol.



The product label format is shown here (note that for certain territories a different label may be used)



LocoTag E4BL

Contains lithium battery
Do not expose to temperatures > 60°C
Do not incinerate or disassemble
Recycle tag after use



ID: 72057594037927936

FMW: 1.12.01 DoM: 2115

System Loco Ltd. LA1 4TZ, UK

FCC ID: 2AYMO-LT-EP-4

IC: XXXXXX-LT-EP-4

201-210033



Packaging Leaflet (placed inside every shipped box of LocoTags)

The label on the LocoTag only measures 60x22mm so we can not fit all certification and warning information onto the label. As such we place a packaging leaflet inside every box of LocoTags. A PDF of this leaflet is appended to the bottom of this article



System Loco.



Product:

LocoTags (E4BL, P4B, E4B, P4P, E4P)

Safety Notices:

Contains lithium battery
Do not expose to temperatures > 60°C
Do not incinerate or disassemble
Recycle tag after use

Product Certification:

FCC ID: 2AYMO-LT-EP-4



IFT#XXXXXXX

Innovation, Science and
Economic Development Canada
IC: XXXXXX-LT-EP-4

ANATEL XXXXX-XX-XXXXX

CCXXxYyyyZzW

201-210033

CMIIT ID XXXXZNNNN



Complies with
IMDA Standards
DB123456

Air Freight Approvals:



Batteries

The unit uses a 320mAh primary battery (non-rechargeable)

- Do not expose to temperatures > 60°
- Do not incinerate or disassemble.
- Recycle after use.

Product Certification

This product has been certified to the following standards:

- CE & UKCA
 - EMC, RF-EMC, RF, Safety
- FCC & IC
 - RF, EMC
- MIC
- RCM
- ANATEL
- SUBTEL
- WPC
- IFTEL
- NOM
- IMDA
- NCC
- RoHS 2.0

Airline Approvals

Pending - to include:

TNT, COPE, TSS, Air India, Vistara, IndiGo, Qatar Airways, Etihad Airways, Cathay Pacific, SpiceJet, Garuda Indonesia, Korean Air, Air Asia, Go Air, CargoLux, Air China, Singapore Airlines, KLM.

Environmental Considerations

The equipment may contain substances that are harmful to the environment or human health. Please recycle this unit appropriately. Please contact your local authority for disposal or recycling information.



 [LocoTag-Family_Data-Sheet_001.pdf](#)

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System Loco

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

- If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

RF exposure warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

NOTE: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.