

## LSTAT-810-G3-L0, LSTAT-820-G3-L0, LSTAT-830-G3-L0

Datasheet #89077722



The L-STAT Remote EnOcean Antenna integrates wireless EnOcean sensors and devices seamlessly into building automation. The L-STAT Remote EnOcean Antenna only needs to be connected to the Modbus port.

The L-STAT Remote EnOcean Antenna is available in three different versions for worldwide use:

- LSTAT-810-G3-L0 Europe 868 MHz band
- LSTAT-820-G3-L0 USA/Canada 902 MHz band
- LSTAT-830-G3-L0 Japan 928 MHz band

In addition to the remote antenna capability, it also features a temperature and humidity sensor.



## Features

- Supports all common EnOcean Profiles (EEPs) for sensors and actuators
- Configurable through device templates within the L-INX Configurator software
- Web interface for teach-in, signal strength, and value test through LOYTEC controller
- Easy device replacement
- Connected via Modbus RTU
- Support of multi-channel EnOcean devices
- Encrypted wireless connection if the EnOcean device supports this function
- Supports Mailbox function for sleepy actuators (e.g., battery-powered radiator valve)
- Up to 16 L-STAT Remote EnOcean Antennas per LOYTEC controller

## Specifications

Type	LSTAT-810-G3-L0	LSTAT-820-G3-L0	LSTAT-830-G3-L0
Dimensions (mm)	94.5 x 110 x 19.5 (L x W x H), DIM067		
Installation	Onto a flush-mounted box		
Power supply	24 VDC $\pm$ 10 %, max. 0.4 W		
Operating conditions	0 °C to 50 °C, 10 – 90 % RH, noncondensing, degree of protection: IP30		
Interfaces	1 x RS-485 (ANSI TIA/EIA-485): Modbus RTU (Slave), bus speed 57 600 bit/s, address range 1-16 1 x EnOcean Wireless Interface conforming to ISO/IEC 14543-3-10		
Temperature measurement	Sensor type: CMOS, range: -40 – 125 °C, resolution: 0.1 °C, accuracy: $\pm$ 0.5 °C (5 – 60 °C)		
Relative Humidity (R.H.)	Sensor type: capacitive humidity sensor, range: 0% – 100% R.H., resolution: 0.1% R.H., accuracy: $\pm$ 2% R.H. @ 25 °C, 20% – 80% R.H. $\pm$ 3% R.H. @ 25 °C, 0% – 20% R.H. and 80% – 100% R.H., respectively		
Frequency	868.3 MHz	902.875 MHz	928.35 MHz
RF output power	3 dBm	1 dBm	0 dBm
EnOcean data rate	125 kbit/s		
Tools	L-INX Configurator		
Number of L-STAT antennas per LOYTEC controller (maximum)	16		
Number of EnOcean devices per L-STAT antenna (maximum)	30 (20 SmartAck)		

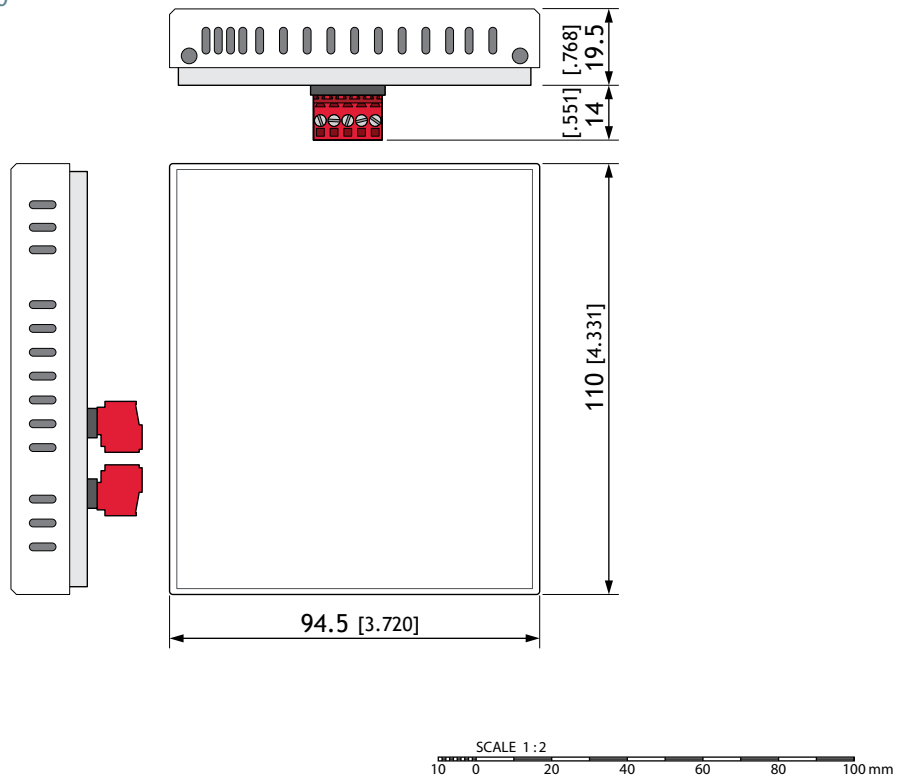
## Order number

## Product description

LSTAT-810-G3-L0	Remote EnOcean Antenna, Europe, White
LSTAT-820-G3-L0	Remote EnOcean Antenna, USA/CA, White
LSTAT-830-G3-L0	Remote EnOcean Antenna, Japan, White

# Dimensions of the devices in mm and [inch]

**DIM067** LSTAT-810-G2-L0  
LSTAT-820-G2-L0  
LSTAT-830-G2-L0



The products of LOYTEC electronics GmbH are subject to constant development. Therefore, LOYTEC reserves the right to modify technical specifications at any time without prior notice. The most recent datasheet can be downloaded from [www.loytec.com](http://www.loytec.com).