

## **YL-1101 Wireless Alarm Device**

**Version: V1.1**



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## 1, Product Overview

The YL-1101 is wireless alarm device that based on LoRa modulation. YL-1101 connects with sounders and strobes for alarm display. It can achieve long-distance, ultra-low power wireless transmission.



Above



Below



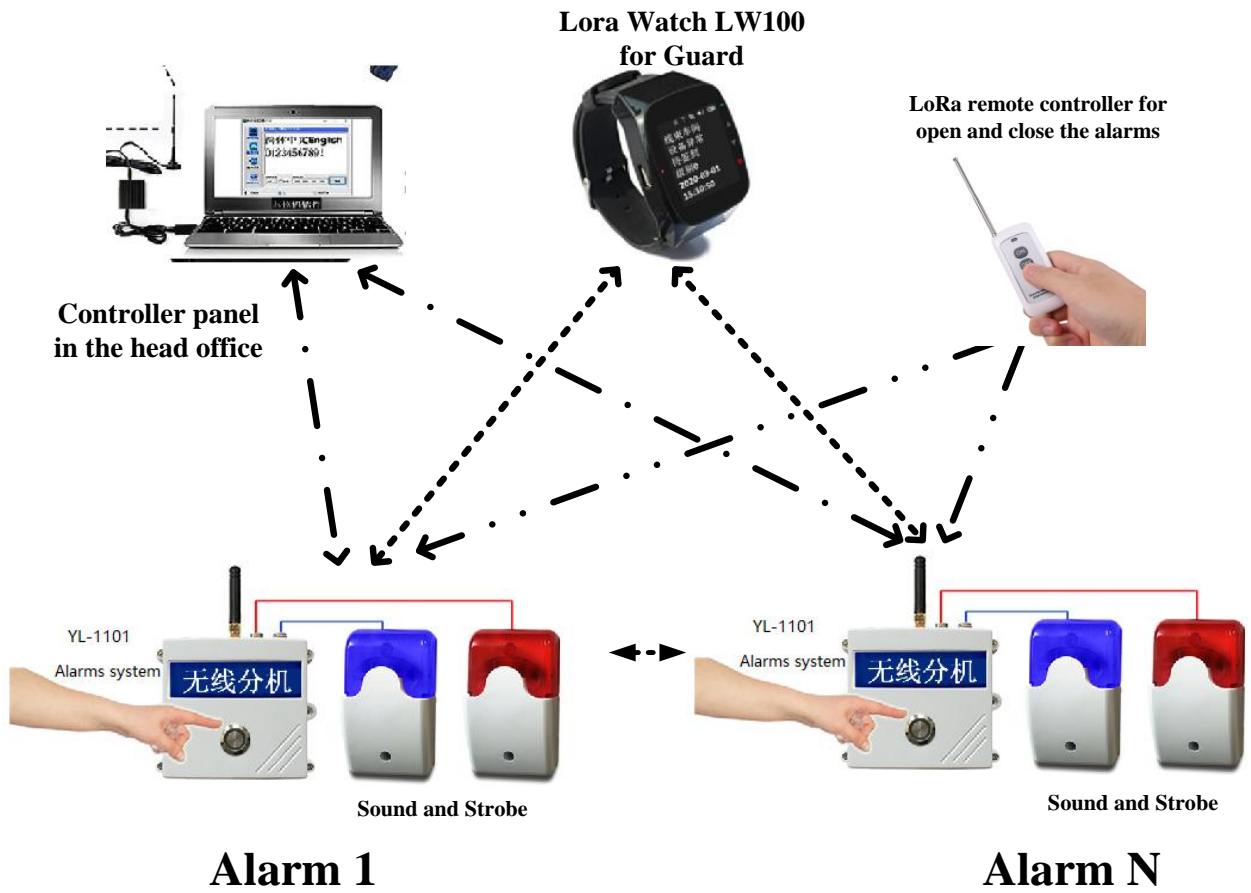
Front



- a) Plactical box design, screw holes at both ends are fixed, small size, easy installation.
- b) The alarm YL-1101 can set the device ID, strobes and sounder active time, and report it to the cloud platform and receive by other alarms;
- c) The parameter settings of the alarm YL-1101 can be modified.
- d) YL-1101 can directly transmit alarm to the cloud platform or controller panel or LW100 guard terminal or remote controller;

# YL-1101 wireless alarm

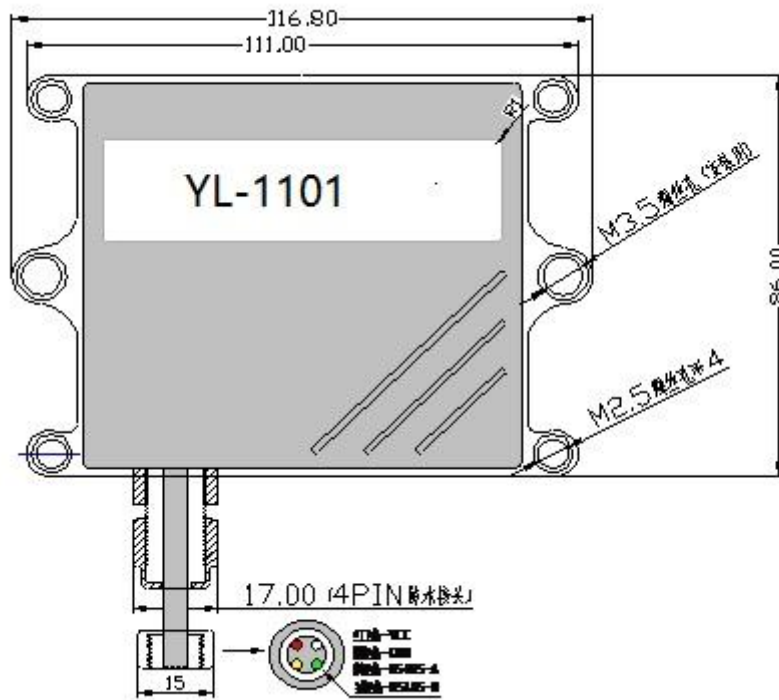
LoRa Solution (YL-1101): Semtech's low-power long-range LoRa spread spectrum wireless data transmission solution Sx1278, with a signal coverage of 2km.



## 2, Product Specifications

Type of wireless	LoRa solution
Frequency	433MHz、868MHz, 915MHz
Range	2 km line of sight
Power	85 – 264 VAC (50Hz to 60Hz)
Port	SMA connector for antenna
Transmitting Current	<130mA
Standby Current	6uA
Output	Sounder & Strobe(red is local trigger alarm unit, Blue is remote alarm display)
Interface	UART
Parameter configuration	Connect the data cable & Configure the parameters and collect data commands
size and weight	116*86*42mm, 180g

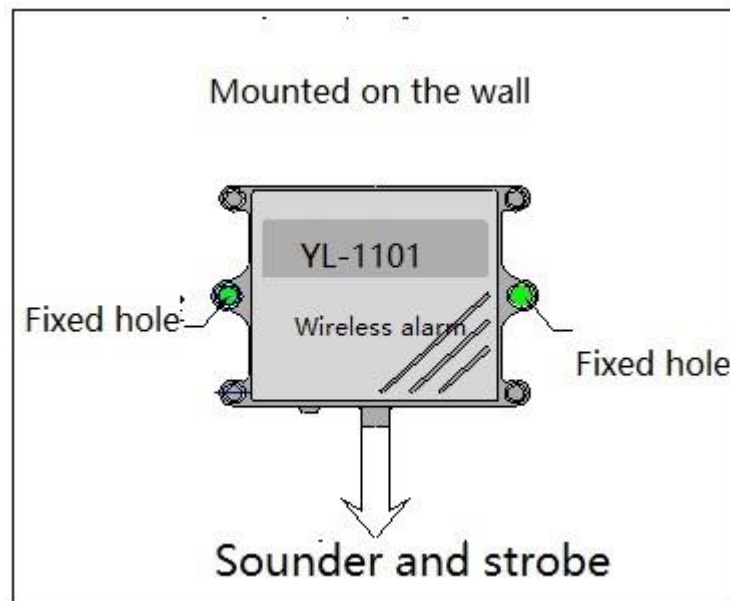
## 3, Dimension of the alarm.



## 4, Alarm installation

When installing the alarm, try to make the antenna perpendicular to the horizontal plane, and the wireless communication is the best.

When installing the wireless alarm, as shown in the figure below, it can be installed close to the wall in parallel or fixed, or parallel to the ground. It can be relatively open (within 1 meter) around the collector, without obstruction, and the wireless communication effect is the best.





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