

Lora Water Sensor

R311W

Datasheet

NETVOX TECHNOLOGY CO., LTD.

Add: No. 21-1 Sec. 1 Chung Hua West Road, Tainan, Taiwan

Tel: +886-6-2617641, 2654878

Fax: +886-6-2656120

<http://www.netvox.com.tw>

Copyright©Netvox Technology Co., Ltd.

This document contains proprietary technical information which is the property of NETVOX Technology and is issued in strict confidential and shall not be disclosed to others parties in whole or in parts without written permission of NETVOX Technology.

The specifications are subjected to change without prior notice.



Fig.1 R311W Appearance

Introduction

R311W is attached with two water sensors for flood detecting and reporting.

Electric Parameters

Input power	2pcs 3.0V CR2450 button battery
Working power	DC +2.2V~3.0V
Standby current	13uA/3.0V
Transmitting current (max)	120mA/3.0V
Receiving current (max)	11mA/3.0V

Frequency Parameters

Frequency range	410-525MHz 862-1020MHz (Optional)
TX power	19dBm (Typical)
Rx sensitivity	-121dBm (Frequency deviation=5kHz, Bit Rate=1.2kb/s)
Antenna type	Build-in antenna
Communication rang	2km (Typical)
Data transfer rate	1.2~300kbps
Spread technique	FSK/OOK

Physical Parameters

Sensor Dimension	57mm x 35mm x 15mm
Magnet Dimension	43mm x 13mm x 12mm
Humidity	<95%RH
Working Temp.	-10°C ~ 50°C
Storage Temp.	-40°C ~ 85°C