

Datasheet

Rev. 0.1

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History

Version	Date	Note
0.1	2017-12-23	Initial release

Notes:

Hardware Version:

61Z7266801V0.3

61Z7266802V0.3

61Z7266803V0.2

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Fig.1 RA0711 Appearance (Image shown is for illustration purposes only. Actual product may vary.)

Introduction

RA0711 carrying communication interface which could be connected to external water level sensor (RS485), is mainly used for liquid depth detection.

Main Features

- Water level detection

Electric

Power supply	Adapter DC powered (12V/1.5A)
Working current	<90mA
RX current	11mA @3.3V
TX current	120mA @3.3V
Water level sensor measurement range	0-50m (optional)
Water level sensor accuracy	0.25%FS

Frequency

Frequency Range	868MHz , 915MHz , 923MHz (Note : must be configured before shipping)
TX power	19dBm (Typical)
Rx sensitivity	-121dBm (Frequency deviation=5kHz, Bit Rate=1.2kb/s)
Build-in antenna	Build-in antenna
Communication range	2km (Typical output power)
Data transfer rate	1.2~50kbps
Spread technique	FSK/OOK

Physical

Dimension	111mm*86mm*41mm
Working Temp	-10°C ~ +50°C
Storage Temp	-40°C ~ +85°C