

ZigBee Pro™- Valve Keeper

Wireless Sensor Network Based on ZigBee Technology

ZA10

Data Sheet

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Introduction

ZA10 is a wireless intelligent device suitable for home security and automatic irrigation, and its network characteristics fully comply with IEEE 802.15.4 / ZigBee Pro protocol standard.

ZA10 realizes the operation of automatic valve opening and closing through the commands of other device in the network, and can also use the manual valve opening and closing function.

Appearance



ZigBee Pro™- Valve Keeper**Electric**

Power Supply	DC12V switching power supply
Working Voltage	12 VDC
Standby Current	48 mA
Load Consumption Current (max)	550 mA

Frequency

Frequency Range	2.4 ~ 2.4835 GHz
Communication Channel	16 (ISM 11 th ~ 26 th channel)
Power Output	7 dBm (max)
Receiving Sensitivity	-101 dBm
Antenna Type	External antenna
Communication Distance	120m (open visual linear distance)
Data Transfer Rate	250 kbps
Modulation Mode	DSSS (O-QPSK)

Physical

Dimension	154mm x 66mm x 129mm
Environment Humidity Range	<95% RH (No condensation)
Operating Temperature	-10°C to 50 °C
Storage Temperature	-40°C to 85 °C
Applicable Pipe Diameter	3/4 inches
Output Force of Driving Arm (max)	7.5 kgf
Switch Angle	90 degrees