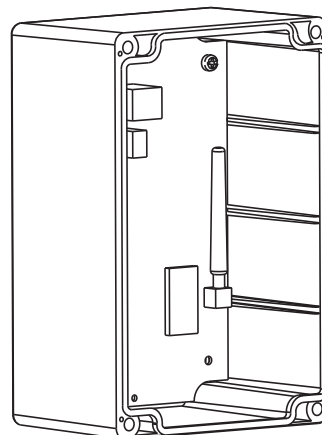

Catalog Numbers • Les Numéros de Catalogue • Números de Catálogo: WIO-4WP/WIO-6WPCountry of Origin: Made in China • Pays d'origine: Fabriqué en Chine • País de origen: Hecho en China

DESCRIPTION

The WIO-4WP and WIO-6WP are configurable wireless waterproof control nodes, using wireless 2.4GHz technology by NXP. Both units have two universal inputs (supporting temperature, resistance, voltage, and current) and two Digital/Binary Relay outputs. The WIO-6WP also has two analog outputs. Both units can be ordered with a low voltage input.

This document covers mounting, wiring, and initial startup of the WIO-4WP and WIO-6WP.



BEFORE INSTALLATION

1. Unpack the WIO-xWP.
2. Inspect the device for missing/broken pieces/components.
3. Read all instructions prior to use.

Included in this package

- WIO-xWP Wireless Waterproof Input/Output Control Node
- 2 – 2 Position 5.08mm Connectors (4WP)
- 4 – 2 Position 5.08mm Connectors (6WP)
- 2 – 3 Position Connectors
- 1 – 2 Position 7.5mm Power Connector
- 1 – 2dBi Antenna, RPSMA
- 2 – 500Ω Resistors

Safety Instructions

The following instructions are general guidelines for proper installation of the device. Any question should be directed to Wattstopper **prior** to installation. It is the responsibility of the installer to ensure local, state, and federal codes are followed.

1. Disconnect all power prior to installation.
2. Make all connections in accordance with local and national electrical codes.
3. This device is used for monitoring and control, not intended for life and safety applications.
4. Discharge any static electricity prior to handling the device.
Static discharge produces voltages high enough to damage electronic components.
Do not handle the bare printed circuit board without proper protection against static discharge.

MOUNTING

The WIO-xWP must be mounted with the antenna vertically positioned, as shown in the drawing above.

WIRING

1. Prepare power wiring with the included 7.5mm pitch power connector.
Please ensure proper polarity with 24VAC/DC.
2. Connect I/O wiring accordingly, following the labeling on the PCB.
3. Connect 24VAC/DC power only after all I/O terminations are completed.

WARNING: If 24VAC power is used, a separate isolated transformer is required.

**WARNING: TURN THE POWER OFF AT THE
CIRCUIT BREAKER BEFORE WIRING.**

INPUTS/OUTPUTS

Universal Inputs can support any of the following:

- Type 2 Thermistor (xxx_Ai2T)
- Type 3 Thermistor (xxx_Ai3T)
- Digital Input (xxx_AiDi)
- Resistance Input (xxx_AiOhm)
- Milliamp Input (xxx_AimAmp)
- Voltage Input (xxx_AiVolt)

These different input types are packaged in their own kit to improve memory management. For Ai2T, Ai3T, AiDi, and AiOhm, the DIP Switch for each input must be in **Resistance** position. For AimAmp and AiVolt, the DIP Switch for each input must be in **V/mA** position.

Analog Outputs support both milliamp and voltage outputs:

- xxx_AomAmp (0-20 mA + 0-10%)
- xxx_AoVolt (0-10 vDC + 0-10% via a 500Ω shunt resistor placed across the output)

These different output types are packaged in their own kit to improve memory management.

Digital/Binary Outputs command a normally open 2A relay.

- xx_Do
- 277VAC resistive @ 2A
- 30VDC resistive @ 5A
- 277VAC inductive @ 2A

REPLACEMENT PARTS

For replacement parts or RMA, please contact Wattstopper Support for information: 800-879-8585.

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

WARRANTY INFORMATION

Wattstopper warrants its products to be free of defects in materials and workmanship for a period of five (5) years. There are no obligations or liabilities on the part of Wattstopper for consequential damages arising out of, or in connection with, the use or performance of this product or other indirect damages with respect to loss of property, revenue or profit, or cost of removal, installation or reinstallation.

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