ZHUM 1.0

Easy and wireless Home Automation by CLEODE

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ZigBee® Temperature and Humidity sensor

Functional description

Zhum product is a ZigBee temperature and humidity sensor contains a temperature sensor that gives temperature of the room and humidity sensor that gives humidity of the room

The unit operates wirelss and communicates information via the standard detection Zigbee® radio frequency. Zhum uses very little energy and works with a CR2032 battery.

It's easily integrated into an existing network, due to functionalities inherent to the ZigBee®. It is compatible with the ZigBee stack pro 2007.

The product is designed for wall fixing with screws or double sided adhesive.

Many Zhum products can be installed in your home.

Specifications

Key

- Measuring the temperature
- Measuring the humidity
- Pairing mode
- Status LED
- Embedded battery supervisor
- Compatibility stack pro 2007 profil "Home Automation Public"

Conformtity

$C\,E$	Meets European consumer safety, health and environmental requirements.
Home	Meets the Home Automation Public Profile standard established by Zigbee alliance.

Technical Data

Weight	30 g (without battery)
Power	CR2032 3V battery
Autonomy	Up to 1 year
Measurement	51.5 / 27.5 / 15 mm
Measuring range	Relative humidity : 0 à 100% Temperature : -40 à 125°C
Accuracy measurement	± 3% (max), 0-80 % HR ± 0,4°C (max), -10 à 85°C

A complete offer for your projects
Customized solutions

Consultancy

CLEODE has unique expertise in the design and implementation of ZigBee®
product.

With a partnership with Texas Instruments around its components ZigBee® and
ZigBee Alliance member®, CLEODE optimizes, enriches and develops its
products in accordance with standards.

CLEODE advises clients in the phases of engineering and design as
industrialization or in systems installation.

Engineering

Leveraging our core products ZBee, Library ZCL, CLEODE designs and develops
customer-specific management modules for both prototyping and industrialisation
applications.

Areas of expertise:

- Electronics (diagram / routing / manufacturing file)
- Software (embedded / interface / HMI)
- Mechanical (CAD / Manufacturing / Packaging)

White label

CLEODE markets its products under its own brand or white label. On request it is
possible to customize some products to best fit your business constraints.

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