ZB-Connection

ZED-3IAC-M

ZigBee module for alternate current measurements

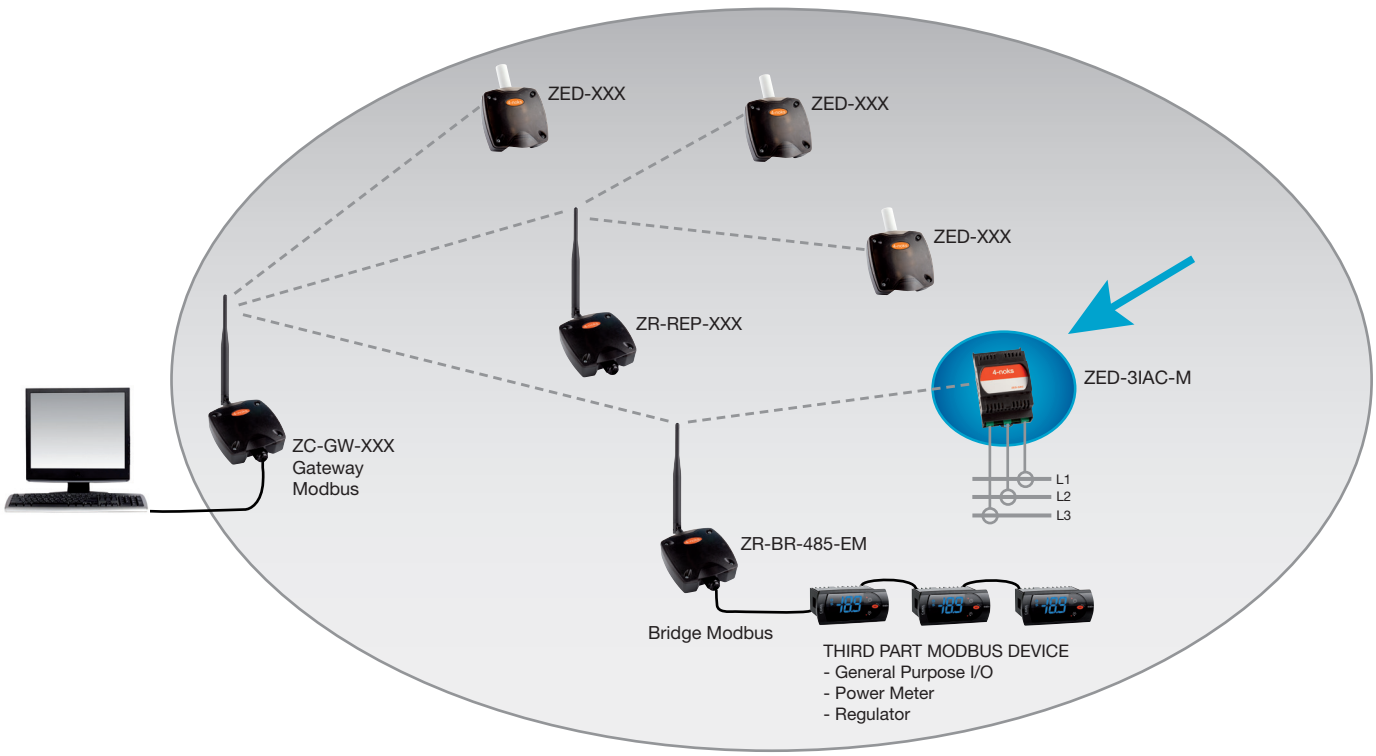
Key Features

- 3 inputs 5A/380V compatible with most popular commercial current transformers (not included)
- Simple and quick installation, without services breakdown
- Alarm thresholds
- Sampling and transmission rates are configurable
- Battery powered
- Internal antenna

The ZED-3IAC-M is a battery supplied ZigBee device which can perform alternate current measurements on 3 channels and send these values at regular intervals to a Gateway of the 4-noks products family.

This device may be configured to manage alarm thresholds when exceeding maximum or minimum levels of measures. It is also possible to adjust the sampling and data transmission rate to improve battery duration.

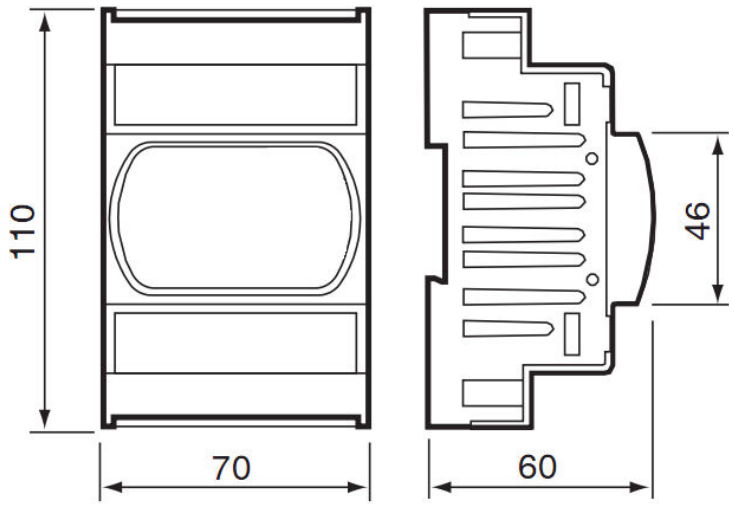
Typical Application



Technical Specs

General characteristics	Chip Ember EM250 Compatible IEEE 802.15.4 Stack EmberZnet 3.4.x (ZigBee PRO) Modbus/RTU Device address settable via internal dip-switch DIN Rail Mounting
RF characteristics	Frequency: 2405 MHz ÷ 2480 MHz Modulation: DSSS Nominal transmission power: 2 mW (3 dBm) Reception sensitivity: -95 dBm Internal antenna gain: 0 dB Coverage outdoor/indoor: 100m/30m
Supply	AA high energy density lithium battery 3,6V/2000mAh Battery life: 3 years in case of 1 transmission per minute at 20°C
AC current measurement	Measurement range: 0 ÷ 5A rms Measurement resolution: 1mA Measurement accuracy: ±2%
Environment parameters	Operating temperature: -10 ÷ +60°C; <80% U.R. not condensing Storage temperature: -20 ÷ +70°C; <80% U.R. not condensing Degree of protection: IP 55
Compliant with 2006/95/EEC, 89/336/EEC, 99/5/EEC directives Reference Norms:	ETSI EN 300 328: Radio Compatibility for digitals wide band transmissions ETSI EN 301 489: Radio Compatibility EN 61000-6-2: Electromagnetic Compatibility - Emissions EN 61000-6-3: Electromagnetic Compatibility - Immunity EN 60950-1: Electric Safety

Dimensions (mm)



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ZB-Connection is a 4-noks brand

4-noks is a ZigBee Member

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