



Meazon Type B Plug Controller is a powerful tool that enables smart energy applications in a home environment and not only. It acts as a power analyzer at the appliance level that can help everybody to have full visibility of the power consumption at the plug level.

Architecture	ZigBee Mesh Network NB-IoT LTE CAT M1
Frequency band (ZigBee)	2.4 GHz
Frequency band (NB-IoT and LTE Cat M1)	NB-IOT Bands: 20, 8, 3 M1 Bands: 13, 12, 5, 4, 2
Minimum Data report interval	One-second (default 5 minutes)
Internal Data Storage	Yes
Security mechanism	AES encryption 128 bits.

Meazon Type B plug

Smart Plug with Zigbee HA 1.2 profile and/or NB-IoT/LTE Cat M1 connectivity.

Description

A high accuracy measuring and control device. It enables new features in your existing appliances or other devices. By placing the Type B plug between an outlet and any appliance in your home, you are adding automation features. Someone can switch on and off the device remotely, or we can upload a weekly schedule of on and off events. The device can act as a power analyzer by reporting all the electrical characteristics (voltage, active and reactive power and frequency).

With NB-IoT the device can become a powerful tool for the collection of data from the house with out using the broadband connection of the home.

The device can act as a ZigBee GW that can collect data from ZigBee sensors in the home.

 	Operating Voltage / Frequency	100 - 240 Vac / 50-60 Hz
	Electric parameters measured	Irms, Vrms, Power factor Active Power & Energy, Reactive Power & Energy, line Frequency.
	Ranges of measured parameters - model depended	<ul style="list-style-type: none"> Voltage: 100 to 240 Vac, 50 to 60 Hz Current: up to 15 Ampere
	Accuracy of measurements	<0,5% of reading measurement error
	Build-in Data log record	2000 records

Coverage	Part of a ZigBee mesh network or M2M connectivity through NB-IoT or LTE Cat M1.
Dimensions	43.5 x 83 x 37 (X,Y,Z in mm)
Operating environment	Temperature: -20° C to 50° C Relative Humidity: 10% to 90% (RH), non-condensing