



Meazon Type F Plug controller is a powerful tool that enables smart energy applications in a home or business environment. It acts as a power analyzer at the appliance level that helps the user to have full visibility of the power consumption at the plug level.

Architecture	Zigbee Mesh Network WiFi
Frequency band (ZigBee)	Zigbee/WiFi: 2.4 GHz
Minimum data reporting interval	One second (default 5 minutes)
Data storage in the device	Yes
Security mechanism	AES encryption 128 bits in Zigbee, VPN in Wi-Fi

Meazon Type F plug

Smart Plug with Zigbee HA 1.2 profile and/or WiFi connectivity.

Description

A high accuracy electrical power measuring and control device. It enables new features in electrical appliances. By placing the Type F plug between an outlet and any appliance, automation features are made possible.

Appliances can be switched on and off remotely. Additionally, a weekly schedule with on and off events can be downloaded in Meazon's Type F plug. The device can act as a power analyzer by reporting all the electrical characteristics (voltage, active and reactive power and frequency).

Using the optional WiFi connectivity, the device can become a powerful tool for the collection of data from the house or business without using the Janus Gateway. The device can act as a Zigbee router that can collect data from ZigBee sensors in the home.



Operating Voltage / Frequency	100 - 240 Vac / 50-60 Hz
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Metered electricity variables	Irms, Vrms, Power factor Active Power & Energy, Reactive Power & Energy, line Frequency.
Ranges of measured parameters	Voltage: 100 to 240 Vac, 50 to 60 Hz Current: up to 15 Ampere
Accuracy	<0,5% of reading measurement error
Build-in data log record	2000 records

Coverage	Zigbee mesh topology, WiFi coverage
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