

General Description

GSP100W is a Wi-Fi compliant smart plug which can be used for indoor usage, industrial applications to monitor energy consumption and controlling load ON/OFF. It offers a cost-effective solution for capturing variety of load power consumption parameters. The smartplug is designed for Indian electricity conditions with reliable and excellent performance. It is fully configurable over-the-air by the user application dashboards. The GSP100 is an ideal solution for monitoring and control freezers, coolers, chillers and many other gadgets and their status. The live and real-time power measurements information can be used to monitor energy consumption, peak loads, understand the idle time, working status and usage patterns.

Features

- Energy measurement parameters
 - Instantaneous active power
 - Instantaneous reactive power
 - Instantaneous voltage
 - Instantaneous current
 - Total energy consumption
- Measurement frequency as low as 1 second
- Remote control – Turning ON/OFF
- Configurable parameters – Measurement & Upload frequencies
- Integrated with thinxview platform
- Customizable to work with any software platforms
- Data compression techniques for uploading large volumes of data
- Accurate measurements: ±1%
- Operating Voltage: 230V, 50Hz
- Plug capacity 15Amp Socket
- Output compatible 5Amp / 15 Amp
- Device Operating Temperature -20°C to +65°C [contact GND Solutions for -40°C to +85°C range]
- Wi-Fi connectivity
- Best in class performance
- Robust and reliable design
- Remote configurations
- IP54 rating



Applications

- Consumer
- Industrial
- Pharmaceutical
- Office buildings
- Homes
- Restaurants
- Warehouse and distribution centres
- Cold chain, cold storage



Technical Specifications

| GSP100W – Specifications | |
|--------------------------|--|
| AC Input Voltage | 110-240V; 50/60Hz [95V to 305VAC] |
| Output Plug Type | Type C; Type D; Type M |
| Radio | Wi-Fi |
| Operating Temperature | -20°C to +65°C |
| Enclosure | IP54 |
| User Indication | 2 LED |
| User Switch | 1 |
| Measurement accuracy | Class 1 |
| Operational shock | 30g |
| Operational vibration | 3.5g |
| Enclosure | ASA |
| Data backup | 100 KB of user data |
| Dimensions | Approx. 80mm X 55mm X 30mm |
| Product Life | 7 years** |
| Data format | JSON |
| Communication Protocol | MQTT |
| Security | Encrypt (256-bit key exchange and AES-128) |
| Target Regions | India & Global |