



MCF-LW12PLG

LoRaWAN® Energy Meter plug with On/Off

This compact meter can be used for monitoring the power consumption of the load, which can remotely be switched on/off. Equipped with a rechargeable battery for mains outage detection.

Characteristics:

- CPU Cortex M0+
- RTC
- EEPROM 32KB
- Flash 64KB
- Encryption AES 128 bit
- Class C LoRaWAN® stack EU868, AS923, AU915, US915 EU868, AS923
- Metering and switch of a 230Vac - 16Amp Load (active, reactive and apparent energy, Class 0.2).
- Configurable default power-on status
- Data are sent through LoRaWAN protocol for remote managing.
- Instantaneous reading of active, reactive and apparent power, voltage and current
- NFC for IoT node setup, FW upgrade and data Reading
- Power supply from line
- Rechargeable battery for powerline outage detection
- Storage temperature range -20 + 80C°
- Working temperature range -10 + 70C°
- Dimension: 115x66x30mm

Applications:

- Energy metering
- Powerline quality measure
- Remote load control
- Mains blackout alarm

MCF-LW12PLG

LoRaWAN® Energy Meter plug with On/Off

☰ Sensori ☰ Dati Meteo ☰ Dati Metering 🔌

Sensori Metering ed attuatori

Metering

| Sensore | Ultimo aggiornamento | Energia attiva | Presenta tensione | Uscita | CSV |
|-----------------------|----------------------|----------------|-------------------|--------|-----|
| 70b3d58ff0032ba5 | 2017-07-18 15:36 | 3007 Wh | ✓ | OFF ON | 🔄 Ⓞ |
| 70b3d58ff0032c8f demo | 2017-05-17 13:23 | 13 Wh | ✓ | OFF ON | 🔄 Ⓞ |
| 70b3d58ff0032cb9 | 2017-07-18 15:41 | 0 Wh | ✗ | OFF ON | 🔄 Ⓞ |
| 70b3d58ff0032cdd | 2017-07-17 16:52 | 0 Wh | ✗ | OFF ON | 🔄 Ⓞ |

Attuatori

| Sensore | Ultimo aggiornamento | Stato Ingresso | Uscita |
|------------------|----------------------|----------------|--------|
| 70b3d58ff0032be4 | 2017-07-06 22:53 | L | OFF ON |
| 70b3d58ff0032ce8 | 2017-07-17 08:56 | H | OFF ON |

© 2016 mcf88. All rights reserved.

Collected data are available for download in CSV format

| | A | B | C | D | E | F |
|----|------------------|----------------|---------------|------------------|-------------------|-----------------|
| 1 | 70b3d58ff0032ba5 | | | | | |
| 2 | Data | Energia Attiva | Potenza Media | Energia Reattiva | Energia Apparente | Tempo Esercizio |
| 3 | | Wh | W | VARh | VAh | minuti |
| 4 | 15/07/2017 00:06 | 774 | 24 | 0 | 774 | 1806 |
| 5 | 15/07/2017 00:16 | 779 | 24 | 0 | 779 | 1816 |
| 6 | 15/07/2017 00:26 | 783 | 24 | 0 | 783 | 1826 |
| 7 | 15/07/2017 00:36 | 787 | 24 | 0 | 787 | 1836 |
| 8 | 15/07/2017 00:46 | 792 | 24 | 0 | 792 | 1846 |
| 9 | 15/07/2017 00:56 | 796 | 24 | 0 | 796 | 1856 |
| 10 | 15/07/2017 01:06 | 800 | 24 | 0 | 800 | 1866 |
| 11 | 15/07/2017 01:16 | 805 | 24 | 0 | 805 | 1876 |
| 12 | 15/07/2017 01:26 | 809 | 24 | 0 | 809 | 1886 |
| 13 | 15/07/2017 01:36 | 813 | 24 | 0 | 813 | 1896 |
| 14 | 15/07/2017 01:46 | 818 | 24 | 0 | 818 | 1906 |
| 15 | 15/07/2017 01:56 | 822 | 24 | 0 | 822 | 1916 |
| 16 | 15/07/2017 02:06 | 826 | 24 | 0 | 826 | 1926 |