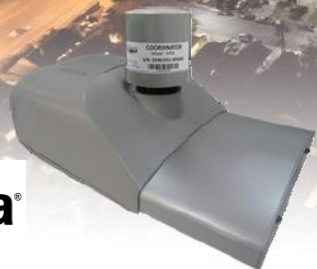


# Kiwi LoRaWAN NEMA-7 SLCP Socket



The NEMA-7 LCP(Smart Lighting Controller Plug on system), LAS-A01 sensor, provides a 0-10V dimming signal to LED Streetlight Drivers through an ANSI C136.41 receptacle(NEMA 7pin).

## Applications

Kiwi NEMA 7 SLCP (Smart Lighting Control Plug on system) instantly upgrades any street light to a “smart” street light without any modification to existing equipment. The management system provides a real-time monitoring and control of street lights in lighting networks both large and small or downtown and wild field.

A full suite of control features include remote on/off, dimming and smart grid quality & energy management. Fault monitoring and management are standard features allowing operators to retrieve real-time power consumption data, and voltage history readings via a secure web connection.

## Features & Benefits:

- Compatible with all ANSI C136-41 NEMA-7pin type LED luminaires
- Wireless communication using LoRaWAN Class C or A. Kiwi TLM922S module (TELEC/FCC/NCC).
- Reporting of energy consumption
- Remote on/off & dynamic dimming/trimming
- D-Live monitoring, once per minute per node
- Smart grid ready demand/ response energy management
- Individually freedom report to Cloud
- Easy to install-Plug-twist-play standard NEMA three prong twist lock per ANSI C136.10
- Open-Cap security protection
- Instant alerts and notifications via e-mail or text message
- Secure web based GUI management
- Active Google/Baidu Earth visualization
- 5 year full performance warranty

## Compliances:

- ANSI C136.10 / 136.24 and new ANSI C136.41
- Std. NEMA three prong twist lock per ANSI C136.10
- FCC Compliance Statement (Part 15.19 RSS-GEN)
- FCC Title 47, Subpart B, Section 15, class A

| Time                | DeviceID | DevCtrl         | Gateway         | Owner  | Brightness | Voltage | Watt  | SF | DR  | Freq  | UpDn | Size | Data           |
|---------------------|----------|-----------------|-----------------|--------|------------|---------|-------|----|-----|-------|------|------|----------------|
| 2018/05/01 10:12:02 | NEMA06   | 000078FF0C038A5 | 000078FF0A00074 | Heacon | 100        | 108.4   | 79.7  | 10 | 125 | 922.6 | 0    | 7    | 01204404000000 |
| 2018/05/01 10:12:00 | NEMA06   | 000078FF0C038A5 | 000078FF0A00074 | Heacon | 100        | 0       | 0     | 10 | 125 | 922.6 | 0    | 7    | 01204404000000 |
| 2018/05/01 10:05:23 | NEMA06   | 000078FF0C038A5 | 000078FF0A00074 | Heacon | 100        | 108.2   | 79.4  | 10 | 125 | 922.2 | 2    | 7    | 01204404000000 |
| 2018/05/01 10:05:18 | NEMA06   | 000078FF0C038A5 | 000078FF0A00074 | Heacon | 100        | 108.8   | 79.8  | 10 | 125 | 922.8 | 1    | 7    | 01204404000000 |
| 2018/05/01 10:04:42 | NEMA06   | 000078FF0C038A5 | 000078FF0A00074 | Heacon | 99         | 999.9   | 999.9 | 10 | 125 | 922.4 | 0    | 7    | 01202270270F   |
| 2018/05/01 10:04:04 | NEMA06   | 000078FF0C038A5 | 000078FF0A00074 | Heacon | 99         | 999.9   | 999.9 | 10 | 125 | 922.8 | 6    | 7    | 01202270270F   |
| 2018/05/01 10:03:57 | NEMA06   | 000078FF0C038A5 | 000078FF0A00074 | Heacon | 100        | 108.5   | 79.3  | 10 | 125 | 922.8 | 5    | 7    | 01204404000000 |
| 2018/05/01 10:03:47 | NEMA06   | 000078FF0C038A5 | 000078FF0A00074 | Heacon | 100        | 108.4   | 79.3  | 10 | 125 | 922.4 | 4    | 7    | 01204404000000 |
| 2018/05/01 10:03:37 | NEMA06   | 000078FF0C038A5 | 000078FF0A00074 | Heacon | 100        | 108.4   | 79.3  | 10 | 125 | 922.4 | 3    | 7    | 01204404000000 |
| 2018/05/01 10:03:27 | NEMA06   | 000078FF0C038A5 | 000078FF0A00074 | Heacon | 100        | 108.5   | 79.3  | 10 | 125 | 922.2 | 2    | 7    | 01204404000000 |



## Specifications

| Item                | Specification                                     |
|---------------------|---|
| Input Voltage       | 100~240VAC, 50/60Hz                               |
| Power Consumption   | <3W   |
| Working Temperature | -30°C~+70°C                                       |
| <b>Materials</b>    |   |
| Top case            | PC-115U, add UV stabilizer, UL 94V-0 flame rating |
| Bottom case         | PBT, add UV stabilizer, UL 94V-0 flame rating     |
| Copper contact      | Brass H62   |
| Weight              | 150g  |

## Storage Specification

|                           |             |
|---------------------------|-------------|
| Storage Temperature       | -40°C~+80°C |
| Working Temperature       | -30°C~+70°C |
| Working Relative Humidity | Waterproof  |
| Ingress Level             | IP66        |

## Electric Specification

|                                  |   |
|----------------------------------|---|
| Nominal Voltage                  | 100~240Vac, 50/60Hz                                     |
| Power Consumption                | <3W   |
| Load Rating                      | 1500VA, 6A 250VAC                                       |
| Life at Rated Load               | 1x10 <sup>7</sup> OPS                                   |
| Dielectric Strength              | 4000VAC 1min  |
| Standard Surge Protection        | 400Joule  |
| LoRaWAN Module                   | Kiwi TLM922S 868, 915 or 920MHz LoRaWAN module          |
| Dimming Interface(0-10V)         | 0-10V, 10Vmax. Programmable; 1mA Source current         |
| Switch Method                    | Zero-Crossing Turn-on(Optional for SSR Switch Type)     |
| Power/Energy Meter               | Isolated Voltage & Current Sensing real value reporting |
| <b><u>Disconnection Mode</u></b> |   |
| Photocell Auto-switching(opt.)   | Rohm IC Digital Ambient Light Sensor; 1:1.5 / 15sec     |
| GPS RTC Auto-switching(opt.)     | GPS Module received/corrected RTC for Dimming section   |
| Always-ON(std.)                  | Always turn-on the light, no dimming section            |
| Operation Dimming Section        | Max. 5 section, 0-100% Dimming range, Programmable      |

# A Model list For Your Applications

| Model    | Descriptions                                      |
|----------|---|
| LAS-A01E | Light control NEMA-7 sensor, 863~870MHz, Europe   |
| LAS-A01J | Light control NEMA7 sensor, 920~928MHz, Japan     |
| LAS-A01U | Light control NEMA7 sensor, 902~928MHz, US        |
| LAS-A01T | Light control NEMA7 sensor, 920~925MHz, Taiwan    |
| LAS-A01C | Light control NEMA7 sensor, 470~490MHz, China     |
| LAS-A01S | Light control NEMA7 sensor, 920~925MHz, Singapore |
| LAS-A01I | Light control NEMA7 sensor, 923~925MHz, Indonesia |
| LAS-A01A | Light control NEMA7 sensor, 915~928MHz, Australia |
| LAS-A01D | Light control NEMA7 sensor, 865~867MHz, India     |
| LAS-A01L | Light control NEMA7 sensor, 920~ 925MHz, Thailand |