HPSV_V3_S

The HPSV_V3_S is an intelligent lighting control solution designed for installation in technical panels.
It enables the transformation of conventional lighting systems into smart, connected systems with centralized management and increased efficiency.

Developed for both public and private lighting managers, this solution offers a modern, effective, and sustainable approach, promoting:

- Reduction in operational costs

- Decrease in light pollution

- Lower CO_2 emissions

By combining technology, connectivity, and energy efficiency, the HPSV_V3_S makes any lighting system smarter, more efficient, and environmentally responsible.

Benefits for Your City

✔ Energy Savings

✔ Lower Maintenance Costs

✔ Reduction of Light Pollution and CO_2 Emissions

✔ Allows remote monitoring and control of equipment

✔ Scalable network.

✔ Radio Communication

Main applications

Outdoor lighting

Football stadiums
Sports centers
Roads
Parking lots
Public squares
Pedestrian zones

Indoor Lighting

Sports centers
Sports halls
Residential buildings
Industrial buildings

HPSV_V3_S

Globaltronic
spreading technology

- NB- IoT
- 3G / 4G
- Antenna
- IPv4 ou IPv6
- RF Legacy Mesh network
- HPSV V3/v4/v5
- HPSV V3/V4/V5
- HPSV V3/V4/V5
- Wi-Fi
- IPv4 ou IPv6
- IPv4 ou IPv6
- Ethernet
- Optical Fiber
- Cloud Internet
- RF
- RF
- RF
- Gateway
- Router
- RS485 Communication
- Controller Area Network (CAN Bus)
- Analog inputs
- Digital inputs
- Relay outputs
- Wi-Fi
- Connects to the Gateway via Wi-Fi
- Devices
- Remote monitoring with Axis or SInGeLu platforms
- RF Legacy Rede Mesh
- DALI
- PWM
- RS 485
- HPSV_V3_S
- Electrical Panel
- 230 Vac Power Line
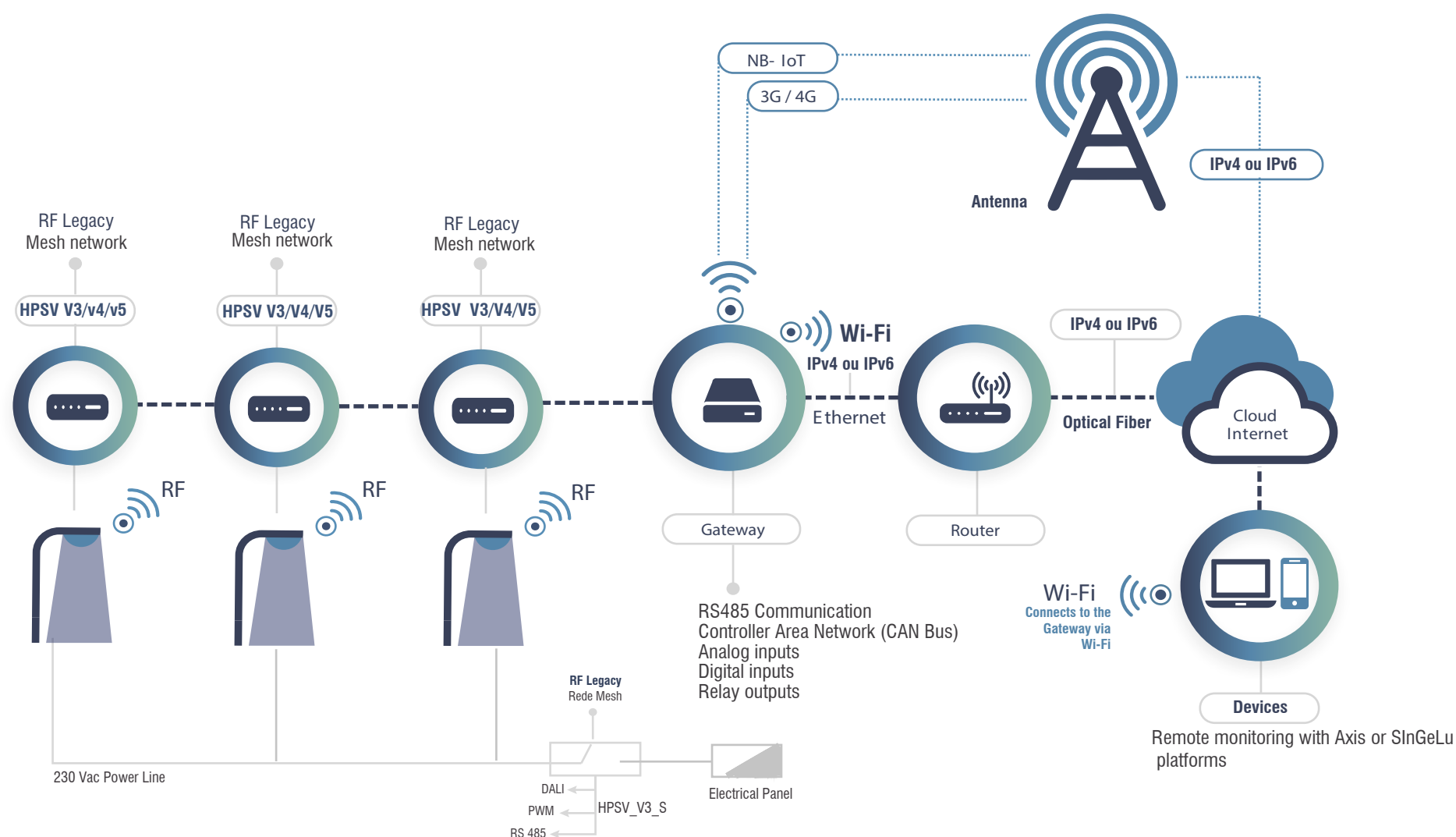
Main features

- ✓ Astronomical-Clock Version Available
- ✓ Internal Relay for complete power cut-off
- ✓ Flexible Light-Level Control – set manually or automatically via time profiles, motion sensors, and/or external light sensors
- ✓ Luminous flux ramp function
- ✓ Radio communication, in mesh protocol under the RF ISM band, to the remote telematics platform, via a unique serial number
- ✓ Possibility of integration into the SInGeLu and Axis remote management platform
- ✓ Information on the number of hours of accumulated operation
- ✓ DALI, PWM & RS-485 Communication Outputs

HPSV_V3_S

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Hardware Tecnical specifications

Electrical specifications

Ta (operating temperature)	-10ºC to 50ºC
Input Voltage	110 - 230 VAC
Frequency	50/60 Hz
Load Type	LED / HID Ballast Luminaire
Standby Consumption	<1W
Electrical Class	Class I
Antenna	External Antenna (SMA-type connector)
Compatibility	Conventional luminaires (HID, HPS) and LED luminaires with dimming control
Garantia	3-year warranty (typical), or otherwise as declared

RF communication

Frequency	868 MHz
Power transmission	100mW
Protocol	GLBT v5.5, or higher
Network topology	Mesh Wireless
Transmission speed	57.6 Kbs

Interfaces

Control Protocols	0-10V, DALI, PWM
Relay output (on PCB)	230 VAC
	2000 W máx.

Functionalities

RTCC	15-Day Autonomy with Supercapacitor
Temperature Sensor	Yes (on the board)
Remote Control	SInGeLu and Axis platform

Communication

RS485	Optional

Mechanical

Housing Dimensions	89 x 89 x 65 mm (5 modules)
Weight	140 g
Housing Material	ABS
Housing Color	Gray
Type of Connector	DIN rail

Tecnical drawing

Connection

A **AC Connections**
1 - Fase In (Lin)
2 - Fase In (Lin)
3 - Fase Out (Lout)
4 - Neutral (N)
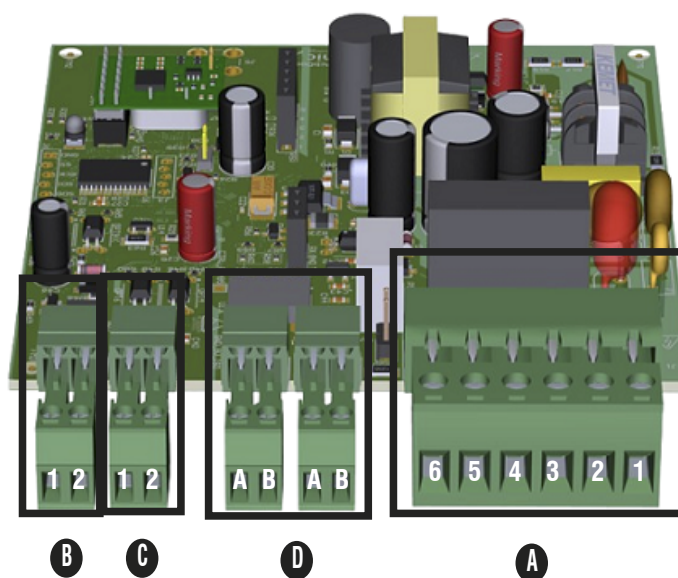5 - Neutral (N)
6 - Earth (PE)

B **PWM / 0-10V**
1 - GND
2 - PWM / 0-10V

C **DALI**
1 - GND
2 - DALI +

D **RS 485**

IP 30 | RF | ROHS | "Selective collection symbol for EEE – "Recycle the right way"

Cofinanciado por:
COMPETE 2020 | PORTUGAL 2020 | UNIÃO EUROPEIA Fundos Europeus Estruturais e de Investimento

HPSV_V3_S

Talk to us and find out how this solution fits your needs!

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