

NICE SOLEMYO AIR NET SYSTEM

**Automation safety devices becomes
wireless control systems!**

Photocells, sensitive edge and flashing lightings all acquire a new function: power is supplied by means of an integral miniature solar panel. The solar panel powers rechargeable batteries to ensure independent operation of the automation system in any conditions.



Era Light Solemyo
Flashing light



Kit Solemyo
Solar power kit



Era TCW Solemyo
Sensitive edge transmitter



Era Photocell Solemyo
Photocell



Era Post Solemyo
Solemyo
Era Photocell Post



SOLEMYO

SOLEMYO 24V

Solemyo is the solar power system to automate gates, garage doors and road barriers, even those located far from the electrical mains.

Solemyo is available both in kit version and single products.

Installable anywhere without the need for connections or excavations, even in the most remote locations or those difficult to access with the power mains.

Increased savings and respect for the environment thanks to solar energy, free and clean: an ecological and intelligent choice with short term benefits.

Low consumption with no risk of blackouts: the extended duration of the energy reserve, combined with the low consumption of the automations, guarantee operation also in prolonged overcast conditions.

THE KIT CONTAINS:

SYP: PHOTOVOLTAIC PANEL FOR 24 V SUPPLY.
PSY24: 24 V BATTERY BOX WITH CONTROL CIRCUIT AND CARRY HANDLES. IT STORES THE ELECTRICAL ENERGY PRODUCED BY THE SYP PANEL, WITH CONTINUOUS AND PERMANENT SUPPLY THROUGHOUT THE DAY.
CABLES AND CONNECTORS NECESSARY FOR THE CONNECTION.



SYKCE

PSY24

SYP

Less consumption, more autonomous operation!
 Perfect operation ensured even at night time or in prolonged overcast conditions, guaranteeing comfort and safety.

Ease of use
 The SYA1 auxiliary power supply unit enables rapid battery charging via a 230 Vac power mains, as an alternative to the photovoltaic module. Battery charge status LED indicators.

Installation advice
 If two or more parallel-connected solar panels have to be installed, purchase individually the items that make up the Solemyo system to increase the system's charging capacity or use just one SYA1 transformer to charge several PSY24 battery boxes.

CODE	DESCRIPTION	PACK/PALLET
SYKCE	SOLAR POWER KIT COMPRISING SYP PHOTOVOLTAIC PANEL AND PSY24 BATTERY BOX WITH CHARGING CONTROL CIRCUIT	21
SYP	PHOTOVOLTAIC PANEL FOR 24 V SUPPLY WITH MAXIMUM POWER 15 W	
SYP30	PHOTOVOLTAIC PANEL FOR 24 V SUPPLY WITH MAXIMUM POWER 30 W	
PSY24	24 V BATTERY BOX WITH CONTROL CIRCUIT AND CARRY HANDLES	

N.B. The content of the package may vary: consult the retailer.

TECHNICAL SPECIFICATIONS

CODE	PSY24	SYP30	SYP	SYA1
POWER SUPPLY (Vac 50/60 Hz)		-		110 ÷ 240
RATED VOLTAGE (V)		24		-
MAXIMUM CURRENT (A)	10		-	
PEAK POWER (Wp)	-	30	15	-
MAXIMUM POWER (W)		-		60
RATED BATTERY CAPACITY (Ah)	20		-	
PROTECTION LEVEL (IP)	44		-	
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50*		-40 ÷ +85	0 ÷ +40
COMPLETE RECHARGING TIME (HOURS)	~ 15**		-	
DIMENSIONS (mm)	235x170x258 h	450x25x550 h	390x28x415 h	132x58x30 h
WEIGHT (kg)	14	3.5	1.9	0.345

* 0 ÷ 40 if recharged from the power mains with SYA1 power supply unit.
 ** Using the power supply unit via the mains.

ACCESSORIES



SYA1
 POWER SUPPLY UNIT FOR CHARGING THE BATTERY PSY24 FROM THE SUPPLY MAINS.

PC/PACK 1

INSTALLATION DIAGRAM



FLEXIBLE: SOLEMYO ADAPTS PERFECTLY TO ALL TYPES OF INSTALLATION.



The SYP30 photovoltaic panel, sold individually, is ideal in all the situations with low exposure to the sun or automations with high intensity of use.

NICE SOLEMYO AIR NET SYSTEM

So many benefits!

Quick installation: no need to lay wiring to connect the accessories to the control unit, drilling holes or laying raceways: just position them as appropriate and let the control unit identify them.

Devices interface with the control unit by means of a special, very compact interface module that can be fitted directly inside the motor, or the control unit, if separate.

Better appearance, flexible positioning of devices over time:

it is very easy to add (or remove) devices, with no need to search for a mains connection point or a contact for series connection.

Extremely reliable transmission:

the radio system allows two-way communication -

each device does not just respond to the control unit's instructions but sends a feedback signal, confirming that it is present and operational, and it also signals the occurrence of events such as the passage of an object between the two photocells.

Operating Frequency: 868 MHz, less liable to interference.

Two separate channels are used, for a 100% guarantee of the system's operation and safety even in case of sudden interference.

Intelligent system: it detects whether any interference is from another Nice wireless automation unit.

In this case, the "new" automation system just installed selects two communication channels different from those used by the existing system, keeping the two systems' channels separate.

Each device has LEDs in the bottom indicating the signal quality and troublefree operation of the system, which can be checked immediately in the event of malfunction or at first start-up.

A LED flashes when the device is receiving enough solar power to allow recharging.

Solemyo Era Photocell

Pair of PHW two-way wireless photocells, with photovoltaic cell power supply.

Easy installation: the receiver photocell has a special LED that indicates the degree of alignment with the transmitter photocell, very useful during initial installation.

Solemyo Era Light

Wireless LLW flashing light, with extremely high-efficiency LEDs lower consumption and virtually unlimited lifetime (no more blown lamps needing frequent changing).

Light output adapts to ambient conditions to ensure good visibility even in direct sunlight and to save energy during the hours of darkness.

Can be used as flashing signal or courtesy light.

COMPATIBILITY/INTERFACE TABLE

	PHW	LLW	TCW1	TCW2
Control units with BLUEBUS system (*)	With IBW	With IBW	With IBW (**)	With IBW (**)
Control units without BLUEBUS system	Not possible	Not possible	With IRW	With IRW

(*) There may be any limitations on the number of devices managed.

(**) Not managed in automation for swing gates (MC824H; Walky; Hopp; Hyke) and in some automations for garage doors (SN6020*; SN6021*; SPIN2*; SPIN20*; SPIN21*; SPOK).

CODE	DESCRIPTION	PC/PACK
PHW	PAIR OF WIRELESS PHOTOCELLS WITH BUILT-IN PHOTOVOLTAIC PANEL	1
PPH1	PHW PHOTOCELL POST, h. 50 cm	2
PHWA1	PAIR OF ADAPTERS FOR PHW ON PPH1 POSTS	1
LLW	WIRELESS FLASHING LIGHT WITH BUILT-IN PHOTOVOLTAIC PANEL	1
IBW	INTERFACE BETWEEN PHW/LLW AND CONTROL UNITS WITH BLUEBUS SYSTEM	1

