

www.metalines.com Polydon Industries Ltd, Polydon Park, Radiance Road, Doncaster, South Yorkshire DN1 2TE | **Tel:** 01302 327172 | **Fax:** 01302 380124 sales@metalines.com

NICE FAB FAMILY, THE RENEWED RANGE OF MOTORS FOR SWING GATE AUTOMATIONS WITH UNDERGROUND INSTALLATION.

SMALL OR LARGE, CHOOSE THE AUTOMATION MODEL THAT BEST SUITS YOUR GATE.
WITH EVEN MORE RESISTANT FOUNDATION BOXES.



X-FAB

For swing gates with leaves up to 2.3 m, the most compact.
Irreversible electromechanical 24 Vdc gear motor, ideal for intensive use.

UP TO 2.3 M



M-FAB

For swing gates with leaves up to 3 m.
Irreversible electromechanical gear motor, also available in 24 Vdc version, with magnetic encoder.

UP TO 3 M

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sales@metalines.com



L-FAB

For swing gates with leaves up to 4 m.
Irreversible electromechanical gear motor,
also available in 24 Vdc version
with magnetic encoder and mechanical stops.

UP TO 4 M



BIG-FAB

For swing gates with leaves up to 5 m.
Irreversible electromechanical gear motor,
24 Vdc with magnetic encoder and mechanical stops.

UP TO 5 M

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X-FAB

SOLEMYO | OPERA | BLUEBUS | 24V

For swing gates with leaves up to 2.3 m, underground installation, ultra compact.
Irreversible electromechanical 24 Vdc gear motor, ideal for intensive use.

Sturdy and discreet: compact foundation box with a height of only 81 mm.
Steel with cataphoresis paint finish guarantees optimal resistance to corrosion, and thickness of 2.5 mm guarantees strength.
All this in just 52 mm of protrusion from the ground.

Practical and quick installation thanks to the exit lever on the gear motor attached directly on the leaf.

Opening up to 180° as standard.

Reliable and sturdy: the gear motor, in IP67 pressure die cast aluminium, suspended inside the housing to enable drainage of any deposits, ensures optimal water resistance.

Load-bearing foundation box with adjustable mechanical stops on opening and closing: the gear motor can also be installed later as required.

Practical release easy to operate from inside and outside, acting directly on the gear motor, easy to operate by means of the special key.

XME2024, compatible with the control unit Moonclever MC424L, and for operation with Solemyo system:

- simple programming via a single key;
- memorisation of opening and closing limit positions in self-learning mode;
- pause time programming;
- pass door;
- deceleration on opening and closing;
- obstacle detection;
- provision for connection of latest generation sensitive edges;
- operation in event of power failure by means of optional rechargeable batteries (PS124) with compartment in control unit.

XME2124 with magnetic encoder, compatible with control unit Moonclever MC824H, with BlueBUS technology, and compatible for operation with Solemyo and Opera systems:

- simple programming via a single key;
- self-learning of opening and and closing limit positions;
- automatic fault diagnostics;
- with output for courtesy light and maintenance indicator;
- speed settings on 5 levels;
- separate and configurable inputs for Step by Step, Open and Close;
- pause time programming;
- pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- provision for connection of latest generation sensitive edges;
- operation in event of power failure by means of optional rechargeable batteries (PS324) with compartment in control unit.





CODE	DESCRIPTION	PACK/PALLET
XME2024	IRREVERSIBLE, 24 Vdc	18
XME2124	IRREVERSIBLE 24 Vdc VERSION WITH MAGNETIC ENCODER	18
XMBOX	EXTERNALLY FOUNDATION BOX, WITH CATAPHORESIS PAINT FINISH. COMPLETE WITH LEAF COUPLING LEVER AND MECHANICAL STOPS ON OPENING AND CLOSING	18
XMETRO2024KCE	KIT FOR SWING GATES WITH LEAVES UP TO 2.3 m, 24 Vdc, UNDERGROUND INSTALLATION. COMPATIBLE WITH SOLEMYO SYSTEMS	12
XMETRO2124KCE	KIT FOR SWING GATES WITH LEAVES UP TO 2.3 m, 24 Vdc, UNDERGROUND INSTALLATION. WITH BLUEBUS TECHNOLOGY, COMPATIBLE WITH SOLEMYO AND OPERA SYSTEMS	12

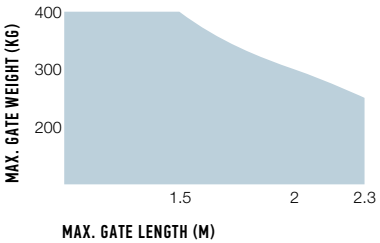
N.B. The content of the package may vary: consult the retailer.

TECHNICAL SPECIFICATIONS

CODE	XME2024	XME2124
ELECTRICAL DATA		
POWER SUPPLY (Vdc)	24	
ABSORPTION (A)	5	
POWER (W)	120	
PERFORMANCE DATA		
SPEED (rpm)	1.25	
TORQUE (Nm)	250	
WORK CYCLE (CYCLES/HOUR)*	60	
DIMENSIONAL AND GENERAL DATA		
PROTECTION LEVEL (IP)	67	
WORKING TEMP. (°C MIN/MAX)	-20° ÷ +50°	
DIMENSIONS (mm)	235x206x96.5 h	
WEIGHT (kg)	6	

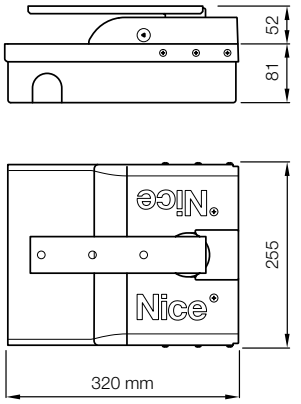
* The indicated value has to be halved if the opening is up to 180°.

UTILISATION LIMITS



The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

DIMENSIONS

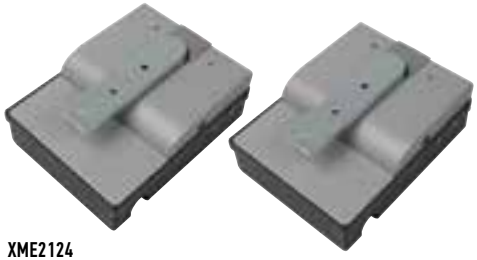


X-FABKIT 2024

SOLEMYO | 24V



THE XMETRO2024KCE KIT CONTAINS:



XME2124
2 GEAR MOTORS.
XMBOX
2 FOUNDATION BOXES.



ON2E
1 TRANSMITTER
433.92 MHz, 2 CHANNELS.



MC424L
1 CONTROL UNIT WITH OXI
PLUG-IN RECEIVER.



MOF
1 PAIR OF PHOTOCELLS
FOR OUTDOOR INSTALLATION.



MOSE
1 KEY SELECTOR SWITCH
FOR OUTDOOR INSTALLATION.



ML24T
1 FLASHING LIGHT
WITH INTEGRATED AERIAL.



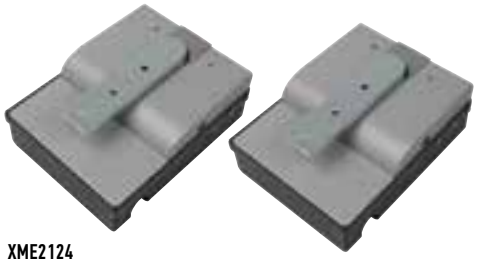
TS
1 SIGNBOARD.

X-FABKIT 2124

SOLEMYO | OPERA | BLUEBUS | 24V



THE XMETRO2124KCE KIT CONTAINS:



XME2124
2 GEAR MOTORS.
XMBOX
2 FOUNDATION BOXES.



ON2E
1 TRANSMITTER
433.92 MHz, 2 CHANNELS.



MC824H
1 CONTROL UNIT WITH OXI
PLUG-IN RECEIVER.



MOFB
1 COUPLE OF EXTERNAL
PHOTOCELLS DESIGNED
FOR CONNECTION BY NICE
BLUEBUS.



MOSE
1 KEY SELECTOR SWITCH
FOR OUTDOOR INSTALLATION.



MLBT
1 FLASHING LIGHT
WITH INTEGRATED AERIAL.



TS
1 SIGNBOARD.

M-FAB

SOLEMYO | OPERA | BLUEBUS | 24V | 230V

For swing gates with leaves up to 3 m, underground installation.
Irreversible electromechanical gear motor, also available in 24 Vdc version with magnetic encoder.

3 types of electromechanical **M-Fab** gear motors.

Foundation boxes externally chamfered, Fab Box, with mechanical stop on opening:
- **in stainless steel** (MECX), ideal for use in extreme conditions,
- with **cataphoresis paint finish** (MECF), highly resistant to corrosion.

Reliable and resistant: motors made up of solid internal parts in metal. New IP67 waterproof die cast aluminium.

Total freedom of choice: release from inside and outside, two key-operated models or freely compatible lever version and easily activated with just one hand.

Simple to use: mechanical stop system on closure. Standard opening max. 110°, optional opening 360°.

Totally compatible with the previous Metro series.

Recommended control units: Mindy A6F, A60, A700F; for ME3024 Moonclever MC824H.

24 Vdc version with magnetic encoder.
Perfect for intensive use, compatible with the control unit Moonclever MC824H:
- simple programming, by means of a single key;
- self-learning of opening and closing limit positions;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure by means of optional rechargeable batteries (PS324);
- provision for connection of latest generation resistive sensitive edges.



CODE	DESCRIPTION	PACK/PALLET
ME3024	IRREVERSIBLE, 24 Vdc, WITH MAGNETIC ENCODER, COMPLETE WITH CONNECTING LEVER AND MECHANICAL STOP FOR THE CLOSING MANOEUVRE	18
ME3000	IRREVERSIBLE, 230 Vac, HIGH SPEED, GREASE LUBRICATION, COMPLETE WITH CONNECTING LEVER AND MECHANICAL STOP FOR THE CLOSING MANOEUVRE	18
ME3000L	IRREVERSIBLE, 230 Vac, LOW SPEED, GREASE LUBRICATION, COMPLETE WITH CONNECTING LEVER AND MECHANICAL STOP FOR THE CLOSING MANOEUVRE	18

CODE	DESCRIPTION	PACK/PALLET
MECX	EXTERNALLY CHAMFERED FOUNDATION BOX IN STAINLESS STEEL, WITH MECHANICAL STOP ON OPENING	20
MECF	EXTERNALLY CHAMFERED FOUNDATION BOX WITH CATAPHORESIS FINISH, WITH MECHANICAL STOP ON OPENING	20

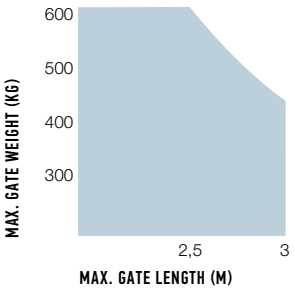
NOTE: key release mechanism, freely compatible with selection of models MEA2 and MEA3 motor.

TECHNICAL SPECIFICATIONS

CODE	ME3024	ME3000	ME3000L
ELECTRICAL DATA			
POWER SUPPLY (Vac 50 Hz)*	-	230	
POWER SUPPLY (Vdc)	24	-	
ABSORPTION (A)	5	1.2	1.3
POWER (W)	120	250	300
PERFORMANCE DATA			
SPEED (rpm)	1.4	1.14	0.8
TORQUE (Nm)	250	300	250
WORK CYCLE (CYCLES/HOUR)**	76	30	20
DIMENSIONAL AND GENERAL DATA			
PROTECTION LEVEL (IP)	67		
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50		
DIMENSIONS (mm)	390x322x194.5 h		
WEIGHT (kg)	11		

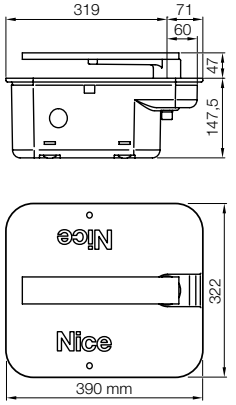
*60 Hz version available on request. **The indicated value has to be halved if the opening is up to 180° - by using the MEA1 accessory.

UTILISATION LIMITS



The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side. Use in windy areas 230 Vac models.

DIMENSIONS



L-FAB

NEW | SOLEMYO | OPERA | BLUEBUS | 24V | 230V

For swing gates with leaves up to 4 m, underground installation.
Irreversible electromechanical gear motor, also available in 24 Vdc version with magnetic encoder and mechanical stops.

Foundation boxes with mechanical stop on opening:
- **in stainless steel** (BMBOX4I), ideal for use in extreme conditions,
- **with cataphoresis paint finish** (BMBOX4), highly resistant to corrosion.

Maximum freedom of choice: release from inside or outside, two key or lever operated models, freely combinable and easy to operate with just one hand.

Simple installation: built-in mechanical stop system on closure.

Standard opening to 110°, or optional 360°.

Ideal for intensive use, BM4024 model is compatible with the control unit Moonclever MC824H with BlueBUS technology, Solemyo and Opera systems:
- simple programming via a single key;
- self-learning of travel limits on opening and closing;
- self-diagnostics of faults;
- programming of pause time;
- pass door;
- deceleration on opening and closing;
- dual technology obstacle detection;
- operation in the event of a power failure with optional rechargeable batteries (PS324);
- provision for connection of latest generation sensitive edges.

BM4000 model is compatible with the control units A6F and A60.

CODE	DESCRIPTION	PACK/PALLET
BM4000	IRREVERSIBLE 230 Vac WITH BUILT-IN MECHANICAL STOPS ON CLOSING	18
BM4024	IRREVERSIBLE 24 Vdc, WITH MAGNETIC ENCODER, WITH MECHANICAL STOPS ON CLOSING	18
BMBOX4	FOUNDATION BOX WITH CATAPHORESIS PAINT FINISH FOR BM4000 AND BM4024 WITH BUILT-IN MECHANICAL STOP ON OPENING. COMPLETE WITH LEAF COUPLING LEVER	18
BMBOX4I	STAINLESS STEEL FOUNDATION BOX FOR BM4000 AND BM4024 WITH BUILT-IN MECHANICAL STOP ON OPENING. COMPLETE WITH LEAF COUPLING LEVER	18

NOTE: key release mechanism, freely compatible with selection of models MEA2 and MEA3 motor.

TECHNICAL SPECIFICATIONS

CODE	BM4024	BM4000
ELECTRICAL DATA		
POWER SUPPLY (Vac 50 Hz)*	-	230
POWER SUPPLY (Vdc)	24	-
ABSORPTION (A)	5	1.5
POWER (W)	120	340
PERFORMANCE DATA		
SPEED (rpm)	1	0.8
TORQUE (Nm)	300	500
WORK CYCLE (CYCLES/HOUR)**	60	20
DIMENSIONAL AND GENERAL DATA		
PROTECTION LEVEL (IP)	67	
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50	
DIMENSIONS (mm)	400x325x152 h	
WEIGHT (kg)	12.5	14.3

*60 Hz version available on request. ** The indicated value has to be halved if the opening is up to 180° - by using the BMA1 accessory.

FOUNDATION BOX	BMBOX4
WEIGHT (kg)	14.4



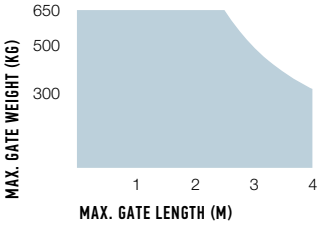
BMA2 - ACCESSORY

ADAPTORS FOR A DUAL MOTOR AUTOMATION, COMPATIBLE WITH THE MAJORITY OF FOUNDATION BOXES ON THE MARKET.

PC/PACK. 4

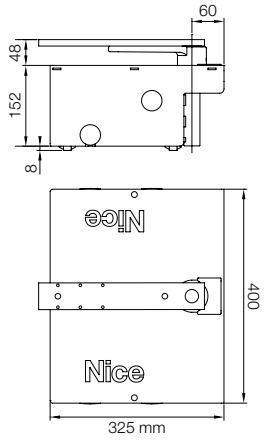


UTILISATION LIMITS: BM4000 - BM4024



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DIMENSIONS



BIG-FAB

SOLEMYO | OPERA | BLUEBUS | 24V

For swing gates with leaves up to 5 m, underground installation.
Irreversible electromechanical gear motor, 24 Vdc with magnetic encoder and mechanical stops.

Chamfered foundation boxes with mechanical stop on opening:
- **in stainless steel** (BMBOXI), ideal for use in extreme conditions,
- **with cataphoresis paint finish** (BMBOX), highly resistant to corrosion.

Maximum freedom of choice: release from inside or outside, two key or lever operated models, freely combinable and easy to operate with just one hand.

Simple to use: mechanical stop system on closure. Standard opening to 110°, or optional 360°.

Ideal for intensive use, compatible with the control unit Moonclever MC824H:
- simple programming via a single key;
- self-learning of travel limits on opening and closing;
- self-diagnostics of faults;
- programming of pause time;
- pass door;
- deceleration on opening and closing;
- dual technology obstacle detection;
- operation in the event of a power failure with optional rechargeable batteries (PS324);
- provision for connection of latest generation sensitive edges.

CODE	DESCRIPTION	PACK/PALLET
BM5024	IRREVERSIBLE, 24 Vdc, WITH MAGNETIC ENCODER, WITH MECHANICAL STOPS ON CLOSING	18
BMBOX	FOUNDATION BOX, WITH CATAPHORESIS PAINT FINISH, WITH BUILT-IN MECHANICAL STOPS ON OPENING	18
BMBOXI	STAINLESS STEEL FOUNDATION BOX, WITH BUILT-IN MECHANICAL STOPS ON OPENING	18

NOTE: key release mechanism, freely compatible with selection of models MEA2 and MEA3 motor.

TECHNICAL SPECIFICATIONS

CODE	**BM5024**
ELECTRICAL DATA	
POWER SUPPLY (Vdc)	24
ABSORPTION (A)	7
POWER (W)	170
PERFORMANCE DATA	
SPEED (rpm)	0.8
TORQUE (Nm)	400
WORK CYCLE (CYCLES/HOUR)*	45
DIMENSIONAL AND GENERAL DATA	
PROTECTION LEVEL (IP)	67
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50
DIMENSIONS (mm)	400x325x152 h
WEIGHT (kg)	13.3

* The indicated value has to be halved if the opening is up to 180° - by using the BMA1 accessory.

FOUNDATION BOX	**BMBOX**
WEIGHT (kg)	20.3



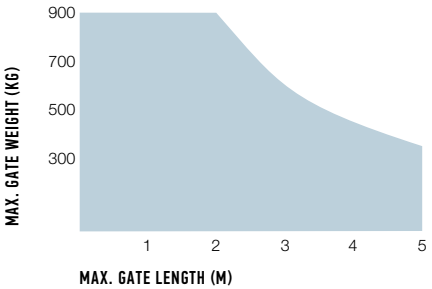
BMA2 - ACCESSORY

ADAPTORS FOR A DUAL MOTOR AUTOMATION, COMPATIBLE WITH THE MAJORITY OF FOUNDATION BOXES ON THE MARKET.

PC/PACK. 4

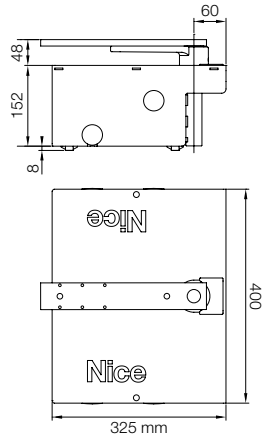


UTILISATION LIMITS



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DIMENSIONS



ACCESSORIES FAB RANGE

ACCESSORIES COMPLIANT WITH ALL FAB RANGE MOTORS



PS324
24 V BATTERY
WITH INTEGRATED
BATTERY CHARGER.
FOR MC824H.

PC/PACK 1



PLA10
VERTICAL 12 V
ELECTRIC LOCK.

PC/PACK 1



PLA11
HORIZONTAL 12 V
ELECTRIC LOCK.

PC/PACK 1



TS
SIGNBOARD.

PC/PACK 1

FOR L-FAB AND BIG-FAB



MEA2
KEY UNLOCK SYSTEM.

PC/PACK 1



MEA3
LEVER-TYPE KEY UNLOCK
SYSTEM TO USE WHEN
SYSTEM IS INSTALLED
ON SURFACES SUCH
AS SAND OR EARTH.

PC/PACK 1



MEA5
LEVER-TYPE UNLOCK KEY
FOR MEA3.

PC/PACK 4



BMA1
ACCESSORY FOR OPENING
UP TO 360° FOR GATES
MAX. 3.5 m IN LENGTH.

PC/PACK 1

FOR M-FAB



MEA2
KEY UNLOCK SYSTEM.

PC/PACK 1



MEA3
LEVER-TYPE KEY UNLOCK
SYSTEM TO USE WHEN
SYSTEM IS INSTALLED
ON SURFACES SUCH
AS SAND OR EARTH.

PC/PACK 1



MEA5
LEVER-TYPE UNLOCK KEY
FOR MEA3.

PC/PACK 4



MEA6
LIMIT SWITCH BRACKET,
FOR INSTALLATIONS
WHERE BOX EMBEDDING IN
CONCRETE IS NOT POSSIBLE.

PC/PACK 1



MEA1
ACCESSORY FOR OPENING
UP TO 360° FOR GATES
MAX. 2.5 m IN LENGTH.

PC/PACK 1

FOR X-FAB



PS124
24 V BATTERY
WITH INTEGRATED
BATTERY CHARGER.
FOR MC424L.

PC/PACK 1

THE STRENGTH OF THE SUN, THE INTELLIGENCE OF WIRELESS TECHNOLOGY.

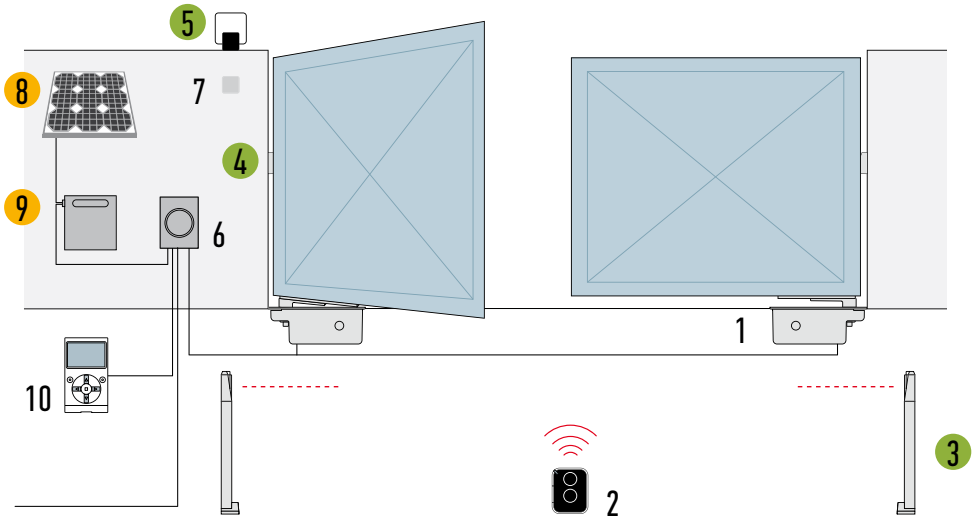
THANKS TO THE NICE WIRELESS AND SOLAR SYSTEM, THE INSTALLATION BECOMES SIMPLE AND FLEXIBLE; USE GOES ECOLOGICAL WITHOUT RENOUNCING SAFETY. NO NEED FOR WIRING: IDEAL DURING CURRENT OR FUTURE RESTORATION WORKS.



NICE SOLEMYO AIR NET SYSTEM

AUTOMATION SAFETY DEVICES BECOME WIRELESS CONTROL SYSTEMS!

Photocells and flashing lights all acquire a new function: power is supplied by means of a built-in miniature solar panel.
The solar panel powers rechargeable batteries to ensure independent operation of the automation system in any conditions.



1. MOTOR
2. TRANSMITTER
3. PHOTOCELLS MOUNTED ON POSTS
4. PHOTOCELLS
5. FLASHING LIGHT
6. CONTROL UNIT
7. DIGITAL OR KEY SWITCHES
8. SYP SOLAR PANEL
9. PSY24 BATTERY BOX
10. O-VIEW MULTIFUNCTION DISPLAY

● ACCESSORIES ALSO AVAILABLE FOR THE Solemyo Air Net System WIRELESS VERSION
● Solemyo SOLAR POWER ACCESSORIES

EVER-MORE ELEGANT AND DISCRETE INSTALLATIONS



Era Light Solemyo, Flashing signal light.

LLW, wireless flashing light with built-in photovoltaic panel.
Pc./pack. 1



Solemyo Kit, the solar power kit for the automation of gates, installable anywhere with no connections or excavations, even in the most remote places or difficult to access with mains electricity.

More information in the **Nice Gate&Door.**



Era Photocell Solemyo, photocell.

PHW, pair of wireless photocells with built-in photovoltaic panel.
Pc./pack. 1



Era Post Solemyo, Solemyo Era Photocell post.

PPH1, photocell post, h. 50 cm.
Pc./pack. 1

PHWA1, pair of adapters for PHW on PPH1 posts.
Pc./pack. 1

NICE TOTAL CONTROL

INTEGRATED SOLUTIONS FOR THE HOME.
EASE OF USE, AESTHETIC QUALITY, SAFETY.

NICE KEEPS THE HOME UNDER CONTROL
WITH JUST A FEW, SIMPLE GESTURES.

THANKS TO THE NEW ERA TOUCH CONTROL UNIT, AUTOMATIONS FOR GATES, GARAGE DOORS AND ROLLING DOORS, AWNINGS AND SHUTTERS CAN ALL BE MANAGED THROUGH A SINGLE SUPPORT, AS LIGHTING AND ALARM SYSTEMS.

NICE IS INNOVATIVE SOLUTIONS
THAT SIMPLIFY LIFE.





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Find out more about Nice products and services on the website:
www.niceforyou.com

NiceLoveEarth
Nice cares for the environment.
Using natural paper it avoids excessive use of raw materials and forest exploitation. Waste is reduced, energy is saved and climate quality is improved.

Product Design **Roberto Gherlenda**

98.029/EN

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