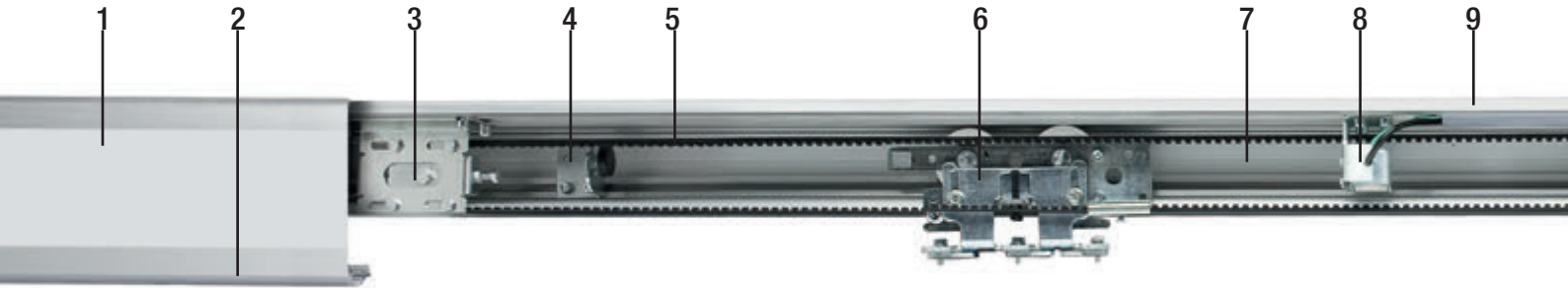


# SLIDER

AUTOMATIC DOOR



## THE ENERGY SAVING TECHNOLOGY OF SLIDER

SLIDER is the new automatic sliding door by RIB.

It allows an installation complying with the new norms EN16005 and a conspicuous saving of energy for the end user (only 3W) when in stand-by, but also during the standard operation.

The exclusive Led bar on the door front cover embellishes the entrance with a touch of technology and elegance.



## ENERGY SAVING

SLIDER permits to connect double technology infrared-microwaves sensors able to recognize the walking direction so to avoid openings/closings in case of side passages thus avoiding temperature changes. In practical terms, the special sensor ACG9460 (page 68) recognize the lateral passages, e.g. people walking by on the street or to the side of the door, thus opening the door only when a person walks towards the door or stands in front of the door to enter.

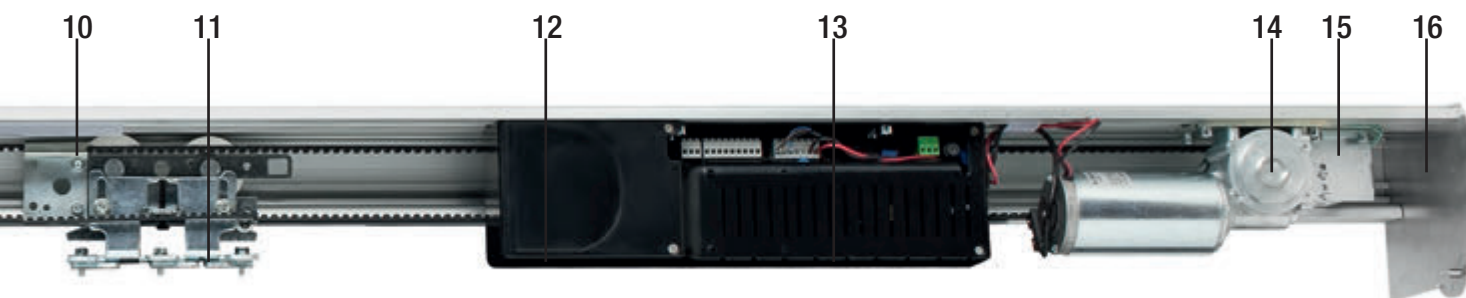
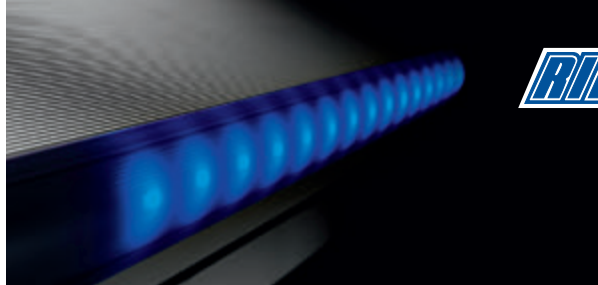
This sensor permits a huge energy saving by reducing the temperature changes inside the buildings.

## TECHNICAL DATA

Modularity and compactness. An easy-to-install method that makes the installation procedure run incredibly smoothly.

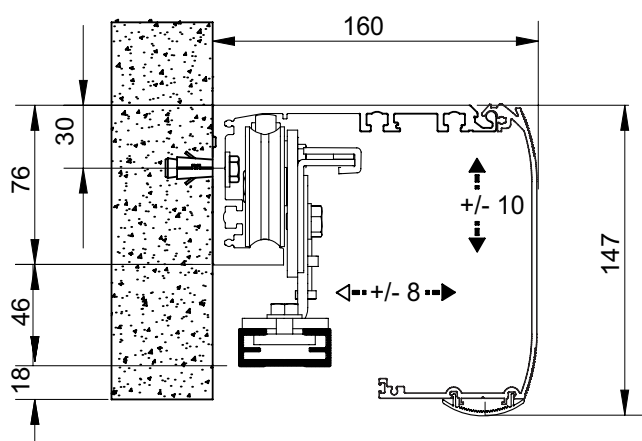
Technical devices that allow a performing and user-friendly approach.

- Sliding carriages with anti-derailment device and several possible adjustments
- Tamper-proof locking screws
- Crankcase automatic lock in open position
- RGB led for night time lighting
- Reversible motor reducers and transmission units
- Electric card and battery slot in one single compartment
- Easy-to-access connection terminal blocks
- Visible leds to help safeties and opening commands checks.
- 115/230V 50/60 Hz power supply with switching full-range technology
- 3W - low-consumption standby power
- Selflearning of calibration and working parameters
- Built-in battery charger
- Synchronized management of low-power electromechanical lock
- Positioning encoder and obstacle detection.
- Permits to create a system conform to new norm EN16005 adding EN13849-1 CAT 2 and EN12978 Certified Safety Devices.



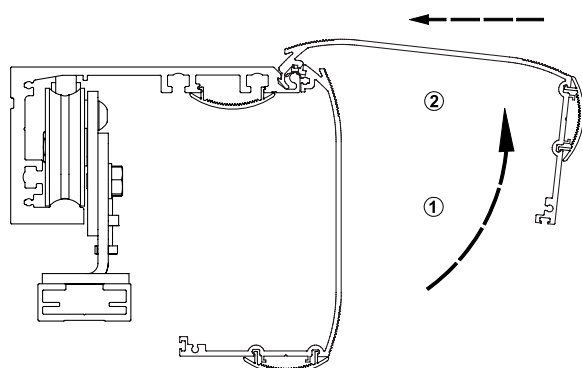
### PART IDENTIFICATION

- 01. anodized aluminium cover
- 02. led cover
- 03. reversible trasmission unit
- 04. stopper
- 05. belt
- 06. adjustable carriage
- 07. anodized aluminium guide
- 08. central electromechanical lock
- 09. cables connection space
- 10. belt's join
- 11. adjustable door's fitting
- 12. emergency battery
- 13. SLIDER electronic control unit
- 14. 24 Vdc motor with encoder
- 15. lateral electromechanical lock
- 16. side cover



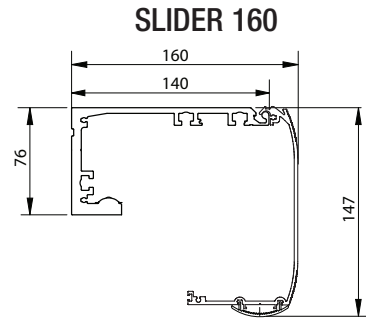
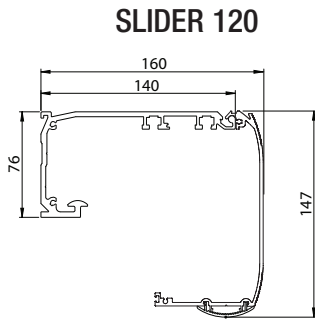
Dimensions in mm

Cover opens easily to help installation job



- 1 Cover opening movement
- 2 Cover stopped open

TECHNICAL DATA	SLIDER 120	SLIDER 160
Power supply	full range 115/230 Vac 50/160 Hz	
Absorption	3 W stand-by	
Max power	100 VA	200 VA
Accessories power	24 Vdc = 10,5 A max	
Max speed 1 sliding door	0,8 m/s	
Max speed 2 sliding doors	1,6 m/s	1,6 m/s (1,2 m/s max weight >90+90kg)
Max weight 1 sliding door	120 kg	160 kg
Max weight 2 sliding doors	80+80 kg	130+130 kg
Service	100%	
Operating temperature	-20°C / +55°C (battery: -10°C / +50°C)	
Protection degree	IP20	



## OPERATOR SELECTION CHART ON THE BASIS OF THE WIDTH OF THE OPENING OF THE ENTRANCE

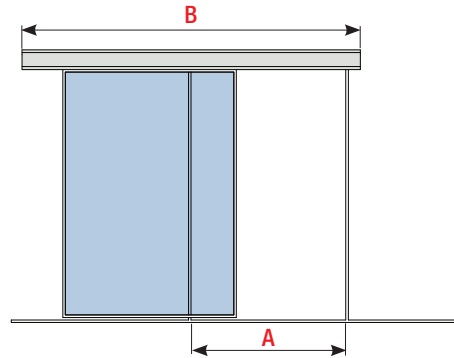
- A** room clearance  
**B** total length automation

### SLIDER 120 1 SLIDING DOOR 120 KG

	AA90010	AA90012	AA90014	AA90016	AA90018	AA90020	AA90022
A	900	1000	1200	1400	1600	1800	2000
B	1900	2100	2500	2900	3300	3700	4200

### SLIDER 160 1 SLIDING DOOR 160 KG

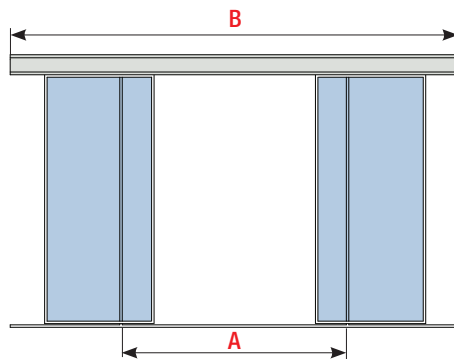
	AA90024	AA90026	AA90028	AA90030	AA90032	AA90034	AA90036
A	900	1000	1200	1400	1600	1800	2000
B	1900	2100	2500	2900	3300	3700	4200



- A** room clearance  
**B** total length automation

### SLIDER 120 2 SLIDING DOORS 80+80 KG

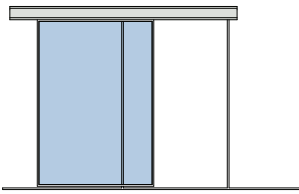
	AA90011	AA90013	AA90015	AA90017	AA90019	AA90021	AA90023
A	450+450	500+500	600+600	700+700	800+800	900+900	1000+1000
B	1900	2100	2500	2900	3300	3700	4200



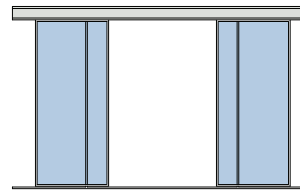
### SLIDER 160 2 SLIDING DOORS 130+130 KG

	AA90025	AA90027	AA90029	AA90031	AA90033	AA90035	AA90037	AA90039	AA90041	AA90043	AA90045
A	450+450	500+500	600+600	700+700	800+800	900+900	1025+1025	1150+1150	1275+1275	1400+1400	1525+1525
B	1900	2100	2500	2900	3300	3700	4200	4700	5200	5700	6200

## SLIDER 120 COMPLETE SLIDING DOORS



SLIDER 120 1 door complete  
 AA90010 L 1900 mm  
 AA90012 L 2100 mm  
 AA90014 L 2500 mm  
 AA90016 L 2900 mm  
 AA90018 L 3300 mm  
 AA90020 L 3700 mm  
 AA90022 L 4200 mm



SLIDER 120 2 doors complete  
 AA90011 L 1900 mm  
 AA90013 L 2100 mm  
 AA90015 L 2500 mm  
 AA90017 L 2900 mm  
 AA90019 L 3300 mm  
 AA90021 L 3700 mm  
 AA90023 L 4200 mm

Contains:	Pieces n.
Guide SLIDER 120 ACG9404	Cut to measure
Cover ACG9401	Cut to measure
Complete motor 24V	1
2 wheels trolley complete of belt fittings	2 (if 1 door) / 4 (if 2 doors)
Generic door attachment ACG9402	1 (if 1 door) / 2 (if 2 doors)
Belt tightener	1
Stopper	2
Cover for leds ACG9415	Cut to measure
Side covers	2 (LT+RT)
Belt ACG9439	Cut to measure
Manuals	1
Cables supports	1 every 50cm.
SLIDER 120 control panel	1

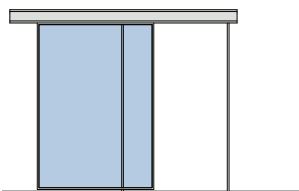
### Example of standard configuration:

AA90010	SLIDER 120 1 door complete L 1900mm	
ACG9420	Internal microwave radar	
ACG9420	External microwave radar	
ACG9425	Day/night switch	
ACG9630	Batteries' Set 12V	
	TOTAL	

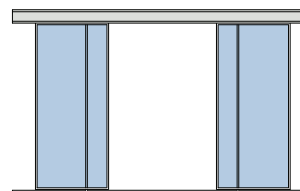
### Example of EN16005 configuration:

AA90010	SLIDER 120 1 door complete L 1900mm	
ACG9460	Internal EN radar	
ACG9460	External EN radar	
ACG9425	Day/night switch	
ACG9630	Batteries' Set 12V	
	TOTAL	

## SLIDER 160 COMPLETE SLIDING DOORS



SLIDER 160 1 door complete  
 AA90024 L 1900 mm  
 AA90026 L 2100 mm  
 AA90028 L 2500 mm  
 AA90030 L 2900 mm  
 AA90032 L 3300 mm  
 AA90034 L 3700 mm  
 AA90036 L 4200 mm



SLIDER 160 2 doors complete  
 AA90025 L 1900 mm  
 AA90027 L 2100 mm  
 AA90029 L 2500 mm  
 AA90031 L 2900 mm  
 AA90033 L 3300 mm  
 AA90035 L 3700 mm  
 AA90037 L 4200 mm  
 AA90039 L 4700 mm  
 AA90041 L 5200 mm  
 AA90043 L 5700 mm  
 AA90045 L 6200 mm

Contains:	Pieces n.
Guide SLIDER 160 ACG9400	Cut to measure
Cover ACG9401	Cut to measure
Complete motor 24V	1
2 wheels trolley complete of belt fittings	2 (if 1 door) / 4 (if 2 doors)
Generic door attachment ACG9402	1 (if 1 door) / 2 (if 2 doors)
Belt tightener	1
Stopper	2
Cover for leds ACG9415	Cut to measure
Side covers	2 (DX+SX)
Belt ACG9439	Cut to measure
Manuals	1
Cables supports	1 every 50cm.
SLIDER 160 control panel	1

### Example of standard configuration:

AA90024	SLIDER 160 1 door complete L 1900mm	
ACG9420	Internal microwave radar	
ACG9420	External microwave radar	
ACG9425	Day/night switch	
ACG9630	Batteries' Set 12V	
	TOTAL	

### Example of EN16005 configuration:

AA90024	SLIDER 160 1 door complete L 1900mm	
ACG9460	Internal EN radar	
ACG9460	External EN radar	
ACG9425	Day/night switch	
ACG9630	Batteries' Set 12V	
	TOTAL	

## AUTOMATIC DOOR KIT



AD90010 KIT SLIDER 120 1 DOOR



AD90011 KIT SLIDER 120 2 DOORS

### KIT SLIDER 120 1 DOOR

Contains:	Pieces n.
24V operator with encoder	1
2 wheels trolley complete of belt fittings	2
Belt tightener	1
Stopper	2
Side covers	2 (RT+LT)
Manuals	1
Cables supports	10
Control panel SLIDER 120	1
Bag of screws	1

### KIT SLIDER 120 2 DOORS

Contains:	Pieces n.
24V operator with encoder	1
2 wheels trolley complete of belt fittings	4
Belt tightener	1
Stopper	2
Side covers	2 (RT+LT)
Manuals	1
Cables supports	10
Control panel SLIDER 120	1
Bag of screws	1



AD90012 KIT SLIDER 160 1 DOOR



AD90013 KIT SLIDER 160 2 DOORS

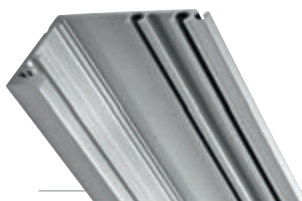
### KIT SLIDER 160 1 DOOR

Contains:	Pieces n.
24V operator with encoder	1
2 wheels trolley complete of belt fittings	2
Belt tightener	1
Stopper	2
Side covers	2 (RT+LT)
Manuals	1
Cables supports	10
Control panel SLIDER 160	1
Bag of screws	1

### KIT SLIDER 160 2 DOORS

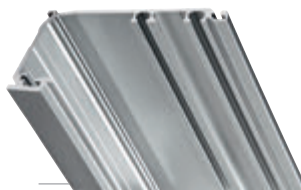
Contains:	Pieces n.
24V operator with encoder	1
2 wheels trolley complete of belt fittings	4
Belt tightener	1
Stopper	2
Side covers	2 (RT+LT)
Manuals	1
Cables supports	10
Control panel SLIDER 160	1
Bag of screws	1

## STRUCTURE



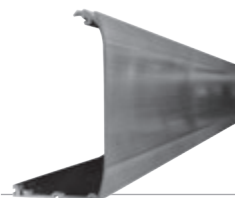
**ACG9400 SLIDER 160 GUIDE**  
anodized aluminum

each m



**ACG9404 SLIDER 120 GUIDE**  
anodized aluminum

each m



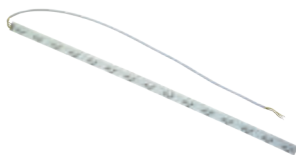
**ACG9401 Cover**  
anodized aluminum

each m



**ACG9461 Cover fittings**  
To apply instead of side covers to block cover in position

## LEDS BAR



**RGB Leds Bar (non connectale between themselves)**  
ACG9442 L. 600mm  
ACG9443 L. 1200mm  
ACG9444 L. 1800mm



**ACG9415 Transparent leds' cover**

each m

## ATTACHMENTS AND GUIDES



**ACG9402 Generic door attachment**  
1 for each door  
L door+10cm

each m



**ACG9413 Support for floor guide**  
1 for each door



**ACG9403 Floor guide**  
1 for each door  
L door+10cm

each m



**ACG9439 TRANSMISSION BELT**

each m

## BELT

## KIT CRYSTAL DOOR ATTACHMENTS



**KIT GLASS DOOR ATTACHMENTS**  
for tempered glass with thickness max 10mm and weight 80Kg.  
To connect to top side of door  
ACG9449 L 1000 mm  
ACG9450 L 1500 mm  
ACG9451 L 2000 mm



**ACG9414 Floor guide**  
for tempered glass door with thickness max 10mm

## ANTI-PANIC PROFILES



Top anti-panic profile

ACG9405 L 1000 mm  
ACG9406 L 1500 mm  
ACG9407 L 2000 mm  
ACG9408 L 4000 mm



Lower anti-panic profile

ACG9409 L 1000 mm  
ACG9410 L 1500 mm  
ACG9411 L 2000 mm  
ACG9412 L 4000 mm

## ANTI-PANIC KIT



ACG9452 Anti-panic Kit



ACG9453 Anti-panic Kit with photobeams

## KIT ELECTRIC BLOCK



ACG9454 KIT ELECTRIC LOCK central - internal use  
It blocks doors  
Cutting belt, door remains blocked



ACG9462 RELEASE CABLE FOR STRONG BOX  
to connect strong box to electric lock



ACJ9071 STRONG-BOX FLAT  
wall mounted (special lock) IP 44  
with 1 rocker switch and  
electric lock release  
128x150x42



ACJ9078 STRONG-BOX STONE  
to embed (special lock) IP 44  
with 1 rocker switch and  
electric lock release  
142x106x80



## BATTERIES



**ACG9630 2 batteries set for SLIDER**  
12V-1,2Ah  
with protection fuse

## DAY/NIGHT KEY SWITCH



**ACG9425 Day/Night key switch**  
to embed  
IP54  
80x90x37



**ACG9426 Day/Night key switch**  
wall mounted  
IP54  
80x90x37



## ROTARY SWITCH



**ACG9427 Rotary switch**  
to embed  
IP54  
80x90x37



**ACG9429 Rotary switch**  
wall mounted  
IP54  
80x90x37

## RADIO ROTARY SWITCH



**ACG9428 Radio rotary switch**  
to embed  
IP54  
80x90x37



**ACG9430 Radio rotary switch**  
wall mounted  
IP54  
80x90x37



**ACG9446 Radio receiver for radio rotary switch**  
with low battery acoustic signal

## LCD PROGRAMMER/MULTIFUNCTION SWITCH



**ACG9418 LCD PROGRAMMER**  
to embed - 80x90x37  
IP30 - It activates safety accessories self-test as requested by EN16005



**ACG9419 LCD PROGRAMMER**  
wall mounted - 80x90x37  
IP30 - It activates safety accessories self-test as requested by EN16005



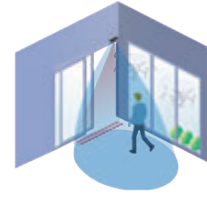
## RADAR FOR COMMAND AND SAFETY



EN16005 - DIN 18650  
EN12978  
EN13849-1 CAT.2



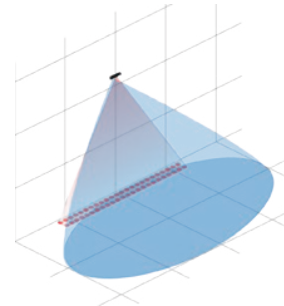
**ACG9460 Infrared+microwaves RADAR** - one-direction detection permits energy saving of buildings  
- IP54 - Plug and play  
pre-adjusted in factory  
With cable 2,5 m long  
Max. fitting height 3,5 m  
-25 ÷ +55°C



- Opening and presence detection for pedestrian and vehicles
- Unidirectionality enables energy savings
- Safety thanks to a double infrared curtains in front of the door
- Comfort and protection for both pedestrians and vehicles
- Ideal solution for doors up to 3,5 m

Microwave technology: motion detection

- Technology adapted for industrial environments
- Area detection of 3,5 m × 2m
- Immunity against rain and snow
- Direction sensing optimizing energy savings:
- The door opens if a person walks towards it. The door does not open if a person is walking by from one side of the door to the other ( e.g. like pedestrians passing by on the street).



Infrared technology: presence detection

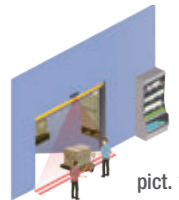
- Door remains open when a vehicle or person is standing still in the detection field
- Area detection of 2,2 m × 0.5 m (at a 3,5 m mounting height)
- Infrared detection field adjustable with prisms
- Adjustment of presence detection time

## RADAR FOR SAFETY

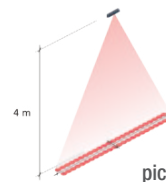
EN16005 - DIN 18650  
EN12978  
EN13849-1 CAT.2



**ACG9459 ACTIVE INFRARED RADAR**  
only for safety  
IP54 - Plug and play  
With cable 2,5 m long  
Max. fitting height 4 m  
-25 ÷ +55°C



pict. 1



pict. 2

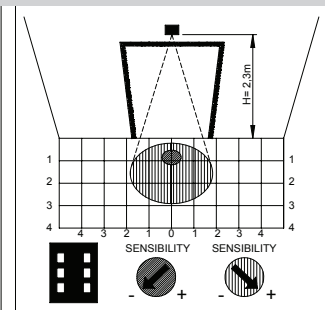
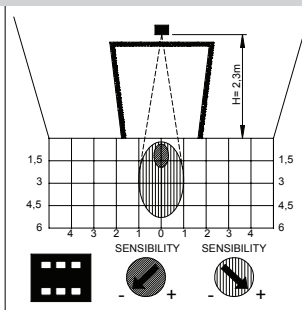
- Safety thanks to double 3D-infrared-curtains
- Active infrared with analysis of the background
- Spot Ø 0,1m
- 24 spot, 12 each curtain (see pict. 1-2)

- Higher confort and protection for pedestrians and vehicles
- Ideal solution for industrial doors up to 4 m

## RADAR FOR COMMAND



**ACG9420 MICROWAVE RADAR**  
Wall mounted articulated fixing.  
24.050 - 24.250 GHz  
IP30 - 80x90x37  
H max 2,3m



## PHOTOBEAMS



**ACG9441 Pair of photobeams**  
7 m range - with cable  
SLIDER can manage directly 1 pair of photobeams



**ACG9440 Card to manage 2 pairs of photobeams**  
7 mt range

## PROXIMITY READER



**ACG9416 RFID reader**  
to embed  
IP54  
80x90x37



**ACG9417 RFID reader**  
wall mounted  
IP54  
80x90x37



**ACG9438 DECODER CARD**  
for RFID READER  
It manages 125 RFID transponders  
Only for the control panel of  
SLIDER



**ACG9457 Card**  
with RFID transponder  
(10 pieces)



**ACG9458 Keyring**  
with RFID transponder  
(10 pieces)

## NUMERIC CODERS



**ACG9433 NUMERIC CODER**  
to embed  
backlight buttons  
IP54 - 80x90x37



**ACG9435 NUMERIC CODER**  
wall mounted  
backlight buttons  
IP54 - 80x90x37



**ACG9434 RADIO NUMERIC CODER**  
to embed  
backlight buttons  
2 channels  
IP54 - 80x90x37



**ACG9436 RADIO NUMERIC CODER**  
wall mounted  
backlight buttons  
2 channels  
IP54 - 80x90x37



**ACG9447 CARD** to manage  
**NUMERIC CODER** through cable  
1CH - 125 codes from 4 to 9 digits  
Only for the control panel of  
SLIDER



**ACG9448 CARD** to manage **RADIO  
NUMERIC CODER** and **SUN remotes**  
1CH 433MHz - 125 codes from 4 to  
9 digits - Only for the control panel  
of SLIDER