



LASER DETECTOR - Type E safety device and opening command - EN 12978 - EN 13849-1 PL "c" CAT2



ACG9494 LASERIB DETECTOR for
opening and safety - 10 m x 10 m



ACG9495 SUPPORT for LASERIB



ACG9490 MOUNTING BRACKET for
LASERIB



ACG9491 REMOTE CONTROL to
adjust LASERIB detector for
opening and safety

Opening & safety detector for barriers and sliding gates

LASERIB offers a real alternative to magnetic loops: less time required for installation, detection of all types of vehicles and greater adaptability. LASERIB is used to open, protect and / or detect a presence. It offers great flexibility in defining the width and depth of the detection zones (max detection range of 9.9 m x 9.9 m).



Comfortable opening

Detection of any type of vehicle: cars, electric vehicles, vehicles made of composite materials, trucks with trailers ...

Vehicle trajectory detection: approaching or moving away.



Easy installation

Product installation without any impact on the surrounding environment.

A simple delimitation of the detection fields, independently of each other, by walking in front of the sensor.



Pedestrian & Parallel Traffic Filter

The barrier opens only when a vehicle is approaching.

Traffic and pedestrians parallel to the opening field are ignored.



Security of its users

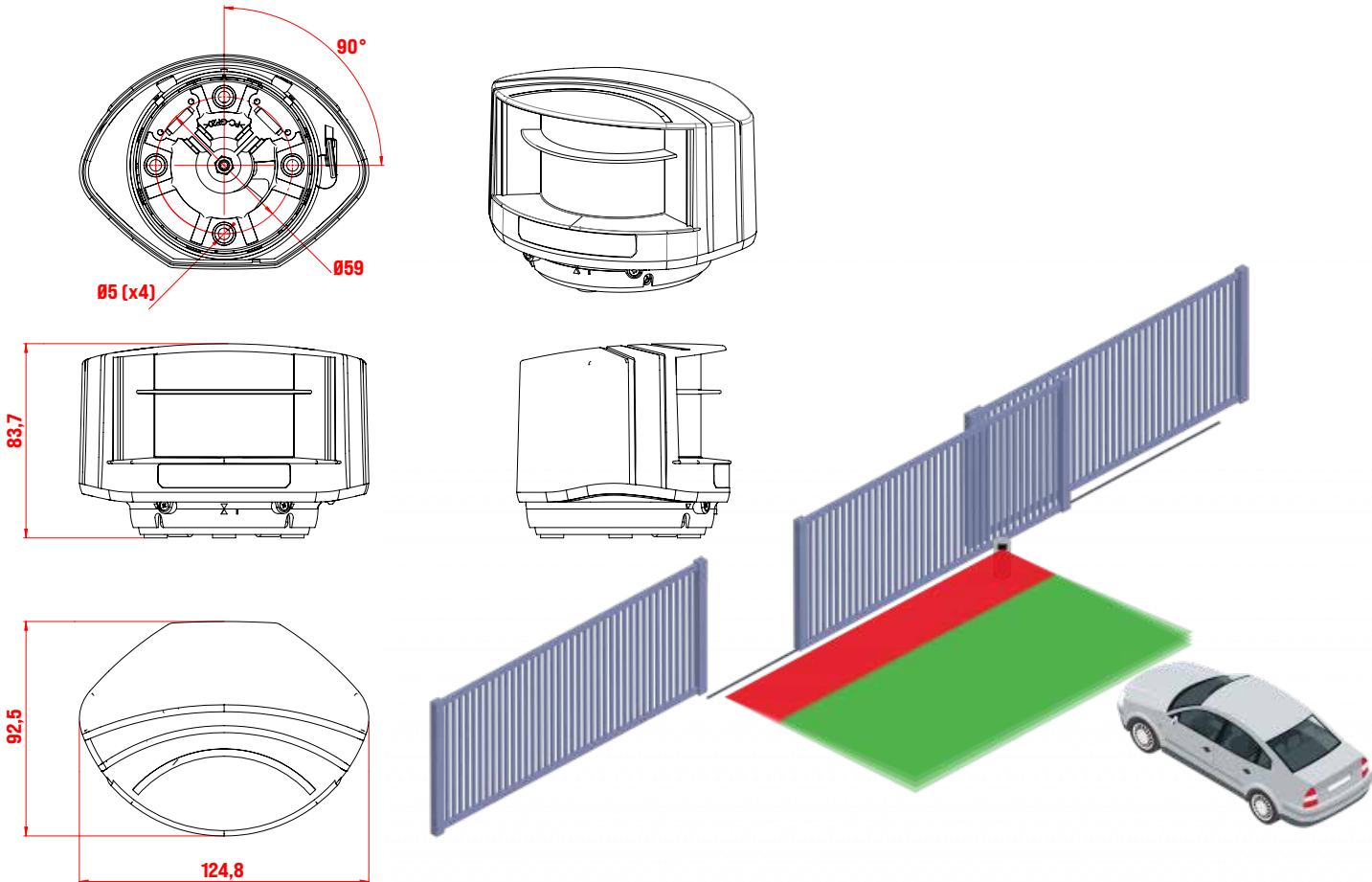
The detector protects vehicles and people in the safety field from any contact with the bar (installation with reference point).



CONTROL AND SAFETY
ACCESSORIES



TECHNICAL SPECIFICATIONS	
DETECTION MODE:	movement and presence (EN 12453:2017+A1:2021 Type E)
MAX. DETECTION RANGE:	9.9m x 9.9m
EMISSION CHARACTERISTICS	
INFRARED LASER:	wavelength 905 nm; output power 0.10mW; Class 1
VISIBLE RED LASER:	wavelength 635 nm; output power 0.95 mW; Class 2
SUPPLY VOLTAGE:	10÷35 V dc
CONSUMPTION:	< 5W
PEAK CURRENT ON:	1.8A (max. 80ms @ 35V)
CABLE LENGTH:	5 m (standard), max.: 10 m
RESPONSE TIME	
MOTION DETECTION:	typ. 200ms (adjustable)
PRESENCE DETECTION:	typ. 20 ms; max. 80 ms
EXIT:	2 electronic relays (galvanized insulation - no polarity)
MAX. SWITCHING VOLTAGE:	35V dc / 24V AC
MAX CURRENT SWITCHABLE:	80mA (resistive)
SWITCHING TIME:	tON=5 ms; tOFF=5 ms
MAX. CONTACT VOLTAGE:	30 V dc (overvoltage protection)
LED SIGNAL:	1 blue LED: on 1 orange LED: error 2 bicolor LEDs: detection/output status (green: no detection; red: detection)
DIMENSIONS:	125 mm (D) × 93 mm (W) × 70 mm (H) (mounting bracket + 14 mm)
MATERIAL:	PC/ASA
COLOR:	black
BRACKET MOUNTING CORNERS:	-45° , 0° , 45°
ROTATION ANGLES ON BRACKET:	-5° ÷ +5° (to be set)
ADJUSTMENT ANGLES ON BRACKET:	-3° ÷ +3°
DEGREE OF PROTECTION:	IP65
TEMPERATURE RANGE:	-30°C ÷ +60°C under voltage; -10°C ÷ +60°C without voltage
HUMIDITY:	0 ÷ 95% non-condensing





SUN TRANSMITTERS



ACG6052 SUN 2CH
2-channel Transmitter
433,92 MHz

BATCH OF 24 PIECES



ACG6054 SUN 4CH
4-channel Transmitter
433,92 MHz

BATCH OF 24 PIECES



SUN CLONE TRANSMITTERS



ACG6056 SUN CLONE 2CH
2-channel Transmitter
433,92 MHz

BATCH OF 24 PIECES



ACG6058 SUN CLONE 4CH
4-channel Transmitter
433,92 MHz

BATCH OF 24 PIECES



SUN CLONE can copy the codes of the
SUN, MOON, MOON CLONE and MINI
remote controls.



SUN PRO TRANSMITTERS

- The SUN PRO system is ideal for the installer who wants exclusive system management.
- Remote controls with 112 bits encrypted code
- Variable Encrypted code through RIB algorithm.
- They operate the dedicated S433 radio receivers and the L1, B2, P1 panels with the ACG8069 radio module that can manage up to 1.000 remote controls.
- LED blinks when battery is weak.
- Power-saver feature to preserve battery charge in case the button remains pressed.



ACG6210 SUN PRO 2CH
2-channel Transmitter
433,92 MHz

BATCH OF 24 PIECES



ACG6214 SUN PRO 4CH
4-channel Transmitter
433,92 MHz

BATCH OF 24 PIECES

TECHNICAL DATA	SUN	SUN PRO
Radio signal range in open areas	250	300
Radio signal range in a car	150	200
Battery	1 x 12V type 23A	
POWER SAVER after 8 seconds	YES	
The LED blinks when the battery is low.	YES	
Encoded in the factory	YES*	YES
In compliance with 2014/53/UE (RED 2.0) Directive	YES	

* User and installer can change the code directly



S433 RECEIVERS



- It can manage SUN or SUN PRO remotes with encrypted codes
- Without accessing the radio receiver it is possible to remotely register new SUN transmitter by having a valid SUN transmitter available.



ACG5081 Receiver S433 1CH
with connector, 1 channel



ACG5082 Receiver S433 1CH
with terminal block, 1 channel,
with plastic container
Dim. 125x54x30



ACG5083 Receiver S433 2CH
with connector, 2 channels



ACG5084 Receiver S433 2CH
with terminal block, 2 channels,
with plastic container
Dim. 125x54x30



ACG5085 Receiver S433 4CH
with connector, 4 channels



ACG5086 Receiver S433 4CH
with terminal block, 4 channels,
with plastic container
Dim. 125x54x30

TECHNICAL DATA

Automatic power supply 12/24V ac/dc

Relay can be set with Impulsive (1s) or Bistable (ON-OFF) operation

Self-learning of the codes

Extractable memory of the codes

Programming new SUN transmitters via button on the receiver, or remotely via already registered SUN transmitter

It can manage both SUN or SUN PRO remotes (not mixable)

Can manage 1.000 SUN PRO remotes or 1.000 SUN codes

Managed by PLL (Phase Locked Loop)

In compliance with 2014/53/UE (RED 2.0) Directive



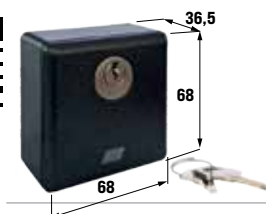
AERIALS



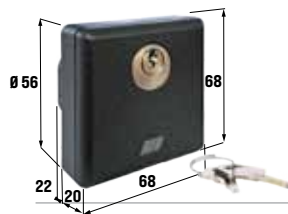
ACG5450 AERIAL 433
(with cable)



S18 KEY SELECTORS



AC61056 S18 wall mounted (NO + NO)
AC61056S S18 wall mounted (NO + NC)
with aluminum box
with two 10A micro-switches
IP 44



AC61054 S18 embedded (NO + NO)
AC61054S S18 embedded (NO + NC)
in aluminum
with two 10A micro-switches
IP 44



AC68304 COLUMN 1 S18
for 1 S18 key selector AC61054
at 1 m
1008 x 120 x 100 mm
in anodized aluminum



AC68303 COLUMN 1 FIT SIX + 1 S18
for FIT SIX photocells and S18 key
selector AC61054 at 0,5 and 1 m
1008 x 120 x 100 mm
in anodized aluminum



AC68306 COLUMN 2 FIT SIX + 1 S18
for 2 FIT SIX photocells and S18
key selector AC61054 at 0,5 and 1
m - 1008 x 120 x 100 mm
in anodized aluminum



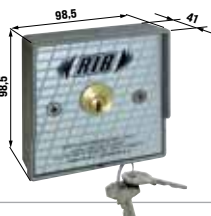
AC68301 BASE TO BE CEMENTED
for COLUMNS AC68302 - AC68303 -
AC68304 - AC68305 - AC68306



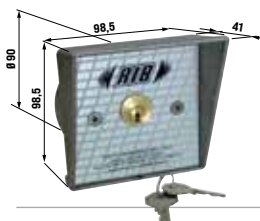
**AC68051 PAIR OF PLASTIC
CONTAINERS**
to be embedded
for S18 key selectors AC61054



KEY SELECTORS



ACG1030 WALL MOUNTED
with aluminum box
with two 16A micro-switches
IP 44



ACG1010 EMBEDDED
with aluminum box
with two 16A micro-switches
IP 44

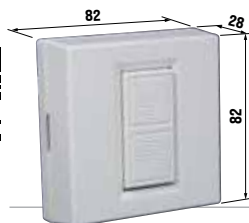


ACG8030 COLUMN H = 1 m
for ACG1010 and ACG1030
1.000 x 80 x 80 mm
galvanised

ACG8031 COLUMN H = 0,5+1 m



PUSH BUTTONS



ACG2010 WALL MOUNTED
(open-close)
IP30



ACG2012 FLAT
(open-close)
to command directly the motor.
IP30



INDUSTRIAL PUSH-BUTTONS



ACG5532 OPEN-CLOSE-STOP PUSH-BUTTONS
for sliding and swing gates
PG 13.5 cable passage hole (Ø12)
IP66 - 68x136x62 mm



ACG5533 OPEN-CLOSE-STOP PUSH-BUTTONS for barriers, shutters, sectional doors
PG 13.5 cable passage hole (Ø12)
IP66 - 68x136x62 mm



TOUCHLESS BUTTON



ACG5527 NO-TOUCH button
Detection distance: 10÷ 30 cm
Degree of protection: IP 54
Operating temperature: -20°C ÷ +50°C
Operation: Infrared.
Power supply: 12 - 24 V ac / dc
40x117x19,5 mm



RADIO KEYPAD



**AC65521 FOUR-CHANNEL RADIO
KEYPAD 433-868 MHz, IP 54**

UNIVERSAL MULTIFREQUENCY DUPLICATOR from 270 to 900 MHz.
CLONES the FIXED CODE and / or ROLLING CODE transmitters.
Reproduces the code by sending the same signal as the remote control to the receiver.
Stores a numeric code for each channel
Codes transmitted: 4 independent.
Radio signals of different Brands, Codes and Frequencies can be stored.
Power supply: 2 AAA batteries
Radio signal range: 50 m



WIRED KEYPADS



AC65523 Wired keypad
White, Scratchproof, IP65
72x72x11,6 mm



AC65522 Wired keypad
Black, Scratch resistant, with
capacitive TOUCH, backlit, IP65
72x72x11,6 mm



**AC65525 Control card for 1 or 2
wired keypads**
Power supply: 230 V ac - 24 V ac/
dc
140x128x49 mm

VANDAL-PROOF KEYPADS, for example to operate the opening of a gate or any door.
It connects with only 2 wires.

MAXIMUM NUMBER OF USERS THAT CAN BE STORED: 50
The control board has 2 relays with 5A contacts: COM-NO-NC



EMERGENCY PUSH-BUTTON



AC65529 Emergency push-button
2 NC 3A - EN ISO 13850
It must interrupt the power
supply line of the gate in case of
emergency - PG 13.5 cable passage
hole (Ø12) - IP 66 - 68x68x92.5 mm

Machinery Directive 2006/42 / EC Annex 1 [RESS 1.2.4.3]:

Emergency stop

The machine must be equipped with one or more emergency stop devices, which make it possible to avoid dangerous situations that are likely to occur in the imminent or are occurring.

The device must:

- include clearly identifiable, easily visible and quickly accessible control devices,
 - cause the dangerous process to stop in the shortest possible time, without creating additional risks,
 - when it is necessary to start, or allow to start, some safeguard movements.
- When you stop operating the emergency stop device after a stop command, this order must be maintained by a lock of the emergency stop device, until it is released; it must not be possible to block the device without the latter generating an arrest order; unlocking of the device must be possible only with a specific maneuver and must not restart the machine, but only authorize its restart.*

The emergency stop function must always be available and operational regardless of the operating mode.

Emergency stop devices must offer backup solutions to other protective measures and not replace them.



DAILY / WEEKLY TIMER



ACG5526 Daily/Weekly Timer
to command opening and lock the
gate in open position (B.I.O.)



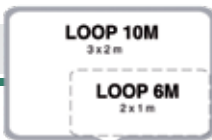
METALLIC MASS DETECTORS



**ACG9060 METALLIC MASS
DETECTOR**
to open with vehicles
1 channel - 230 Vac



**ACG9063 METALLIC MASS
DETECTOR**
to open with vehicles
1 channel - 12÷24 Vac/dc



**ACG9064 METALLIC MASS
DETECTOR**
to open with vehicles
2 channels - 12÷24 Vac/dc



**ACG9067 PRE-ASSEMBLED
LOOP 6 m**
perimeter 2 x 1+15 m of cable



**ACG9068 PRE-ASSEMBLED
LOOP 10 m**
perimeter 3 x 2+15 m of cable