



## Safety devices and Accessories



# Gardo

Pillars for installing SENSIVA photocells at several heights



**Gardo50** (Item code 161303):  
500 mm high pillar  
for 1 photocell

**Gardo** pillars are available in two versions:

GARDO50	500 mm high for 1 photocell
GARDO100	1000 mm high for 2 photocells

Photocells can be easily mounted on Gardo pillars at the desired height, granting them total protection

Gardo pillars do not need accessories for the mounting of key and digital switches on the upper side

**Gardo100** (Item code 161302):  
1000 mm high pillar  
for 2 photocells



## Safety devices and Accessories



# Sensiva

Synchronised, self-aligning wall-mounted photocells



Extremely narrow width: just 43 mm

Adjustable by 15° in each direction

- Self-aligning: do not require centring
- Synchronised: the synchronism circuit allows the installation of two pairs of very close photocells, without them interfering with one another
- Secure: immune to interference from sunlight
- Maximum sturdiness: shockproof polycarbonate body



Photocell **Sensiva** (cod. art. 13C001) can be wall-mounted on the columns of the series **Gardo**

## Technical features

Dimensions	36x43x90 mm
Optical range	25 m
Power supply	12/24 VVDC
Signal	Modulated infrared 833 Hz
Relay contact	1A max 30 VDC
Absorption	TX 20 mA RX 25 mA
Working temperature	-20°C / +60°C



## Safety devices and Accessories



# Egg

## Flashing light

- Available with different power supplies: 230VAC, 120VAC, 24VDC and 12VDC
- Models to be used with control unit without intermittence circuit: EGG220I (Item code 14B008) and EGG120I (Item code 14B014)
- Harmonic and elegant design

## Technical features

Model	Power supply	Intermittence
EGG220 (14B005)	230VAC - 50 Hz	
EGG220I (14B008)	230VAC - 50 Hz	•
EGG120 (14B003)	120VAC - 60 Hz	
EGG120I (14B014)	120VAC - 50 Hz	•
EGG24 (14B011)	24VDC	
EGG12 (14B001)	12VDC	



Egg



## *Safety devices and Accessories*



# Touch-CMM

### Sensitive safety edges

Sensitive safety edges are accident prevention devices, essential for eliminating the risk of crushing or shearing, yet at the same time guaranteeing personal security.

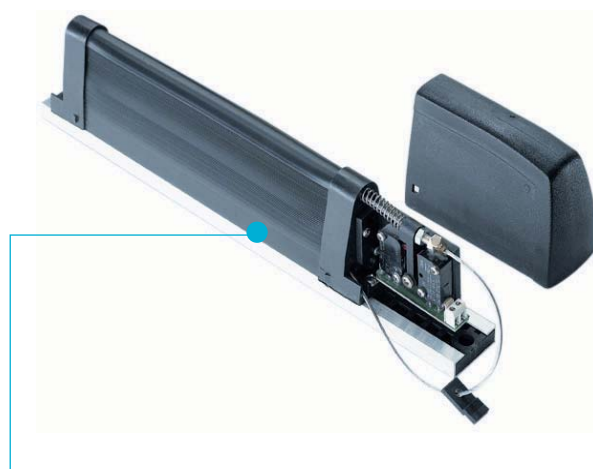
All the TOUCH sensitive edges in the V2 range fully comply with European standards EN 12453 chapter 5.5 section 5.5.1, EN 13241-1 and EN 12978, meeting the most stringent criteria for safety and reliability over time.

With their comprehensive and diverse range, V2 offer the optimal solution for all fields of use, offering mechanical, resistive and optical sensitive edges.

### Mechanical sensitive safety edges

These use a rigid metal wire as the sensitive element inside a rubber body. The device is activated by exerting pressure on the edge. The signal, once detected and intercepted by the control unit, is transduced into the motion block.

The mechanical sensitive edges are pre-assembled on aluminium strips and are available in various lengths:



**Touch-CMM**  
Mechanical sensitive safety edges



# Safety devices and Accessories



## Feel

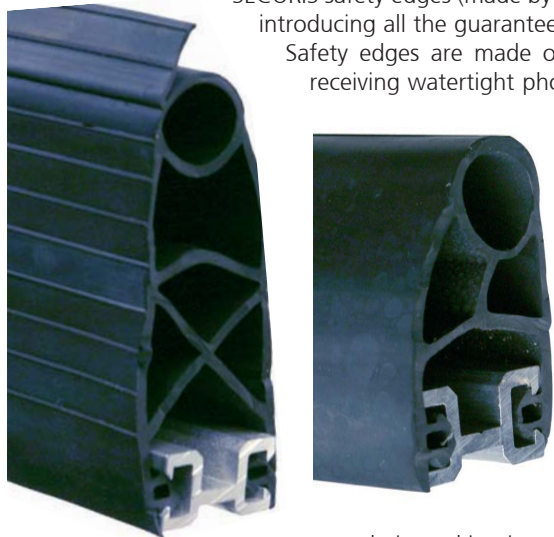
Automatic and semi-automatic doors have to be equipped with a safety edge or a stress sensor and comply with the rule EN12453 chapter 5.5 paragraph 5.5.1 in order to guarantee the safety of persons.

SECURIS safety edges (made by AFCA) have been changed to comply to the rules EN 13241-1, EN 12453 and EN 12978, introducing all the guarantees of reliability through time.

Safety edges are made of EPDM rubber (resistant to temperature: -50°/+150°) and a system of transmitting/receiving watertight photocells, very small and coming from industrial application, already tested in very hostile surroundings, such as washing plants.

Their working is very easy:

When the rubber is warped by an external body, the ray of the cells is interrupted. The information is sent to a positive safety box with input for the automatic control of the working.



## Unrivalled Performance

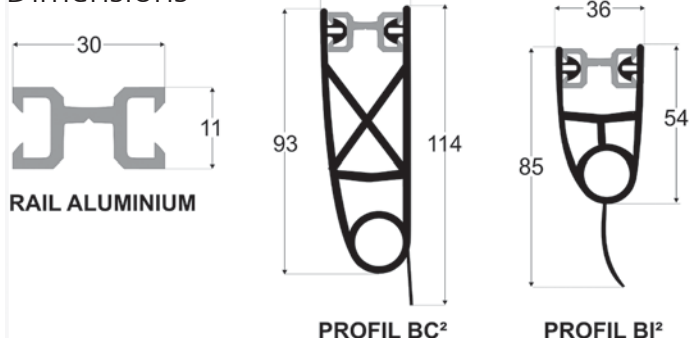
AFCA safety edges offer unrivalled performances:

- Compressibility of the edge through all its length (photocells included) more than 1 cm (BC2) without detecting. It allows to use them on shutters and dividing doors
- Water tightness: the photocells incorporated in the IP68 resin, the infrared ray technology (emission through fluids) and the absence of power supply in the rubber

guarantee their working in any situation, even with seepage of water

- Foldability: even folded, the safety edge works thanks to a powerful infrared beam (through fluids) and to the reflexion inside the section bar
- Quickness in installation: the rubber section bar is "seamable" and allows a quick laying even between walls. The passage of the cable of the photocell is easier.
- Simplicity of assembly: the above mentioned characteristics do not require screwing, gluing or sealing with silicone. The photocells are put into the section bar, connected with the amplifier. The safety edge will work for many years
- Thanks to its removable packing (B12), the bar can be used either in horizontal (doors) or vertical position (shutters). In order to keep the harmony of the door, the packing can be removed
- Reliability: the photocells coming from robotics are conceived to work in hostile surroundings. PE12 photocells are protected against short-circuit

### Dimensions



### Charateristics

#### WATERTIGHT PHOTOCELLS

- Transmitters/receivers
- Range: 10m
- Output NPN
- Positive safety interface with auto-test
- Lights of alignment and voltage
- Measurable sensitivity

#### ALUMINIUM RAIL

- Rubber assembly by seaming

#### CABLE GLAND MASK

- not avoiding compression

#### SIMPLIFIED RANGE

- 1 rail type (aluminium X)
- 2 bars (BC2, BI2)
- 1 kit photocells for safety edges from 1 to 10 m

allow you to carry out any installation

### Charateristics Of The Photocells

Emission		transmitter/receiver modulate infrared
Distance of detection inside the bar	m	15 (photocells PE12)
Working temperature	°C	-25/+80
Protection	ip	68
Composition		polycarbonate



## *Safety devices and Accessories*



# 5 Pole Guide



The 5-pole guide is made up by an anodized extra-flat aluminium rail and a cable (with special flexible reinforced conductor) inserted into a cable holder plastic chain.

This guiding system ensures a perfect and silent sliding of the cable and guarantees long life to the product.

The absence of mechanical or electronic complex parts guarantees the reliability of the system in the time.

The cable has been fully tested in extreme conditions of temperature and folding with very tight curve radius.

The sliding chain principle allows to fully use the length of the guide.



# Safety devices and Accessories



## Sirmo

Key switches with European cylinder, for external and recessed installation



The key switches in the **Sirmo** series are made of die-cast aluminium and are resistant to damage and vandalism



**Sirmo** switch mounted on **Gardo** series pillars

## Sirmo - Digit

Digital radio or cable switches



**Sirmo-Digit** switch mounted on **Gardo** series pillars

The new digital radio switch **Sirmo-Digit** does not need any electrical wire and send a code compatible with **Phoenix** series transmitters



The new **Sirmo-Digit** switches:

- Replacing standard key switches
- Operated by entering a personalised combination of between 1 to 8 digits on the backlit numerical keypad
- They can be programmed with 9 different channels
- Made from pressure die-cast aluminium and resistant to damage and vandalism
- Available in radio (powered by two 1.5 Volt AAA batteries) or cable (powered directly from the receiver-control unit) versions



## Safety devices and Accessories



# Proksima



Proximity systems are used with automation systems where it is necessary to use customized keys or passes to control access. Offer greater security, even for small installations. The customized code gives the installer exclusive control of the system, preventing any type of intervention from unauthorised third parties



**VTR**  
transponder key  
(Item code 15B001)



**VCR**  
transponder pass  
(Item code 15A002)

The proximity system is an alternative to the radio transmitter and replaces the standard key switch. Simply bring a memorised transponder key or pass close to the Proksima reader to execute the set command



The Progtag terminal  
(Item code 161501)

Proximity keys and passes can be factory serialised by V2 or programmed by the installer using the Progtag terminal (Item code 161501) running the WINPPCL interface software (Item code 21A001).

These are "read & write" devices which can be reprogrammed an infinite number of times. The access device programming code is unique and extremely safe

## DEC-4

### Remote decoder for Proksima reader

- Interfaces between the proximity reader and other devices
- 4 normally open output relays
- The option of storing up to 240 different codes
- The option to select the output type: monostable, step or timer
- The option to completely or partially delete the codes stored in the memory



**DEC-4**  
(Item code 15D001)

## RXP-VRD

### Remote decoder with display for Proksima reader

- Interfaces between the proximity reader and other devices
- The option to select the output type: monostable, step or timer
- Quick connector for plug-in memory modules
- 3 digit display to aid programming
- Expandable up to four channels by plugging in additional relay modules



**RXP-VRD**  
(Item code 15D002)