Security devices and accessories

Technology Security Practicality

TECHNOLOGICAL SOLUTIONS FOR SECURE OPERATION

V2 offers a vast range of accessories and security devices to protect end users:

- Wall or pillar photocells, synchronised and adjustable, to detect obstacles;
- Mechanical and resistant sensitive edges and optics against danger of crushing;
- Digital selectors and proximity systems (with radio frequency and cabled) for efficient control of the crossings and entrances.

sensiva-xs
Miniature wall
and column photocells

proksima
Proximity system
(READ & WRITE keys)

sirmo digit
Digital radio or
wired switch

shield-180
Armoured wall-mounted photocells
adjustable and synchronised

PRACTICAL SOLUTIONS FOR PROBLEM-FREE INSTALLATION

GARDO pillars **facilitate installation of the photocells at the desired height** and do not require any accessory or tool to assemble the various selectors on top.

touch

Mechanical and resistant sensitive edges

lumos

Flashing LED

blinko

Flashing LED

LUMOS and BLINKO led lights **do not require any maintenance** and thanks to their multi-voltage technology can be powered from 24 to 230V.

eco-logic

Solar energy kit

PLUS

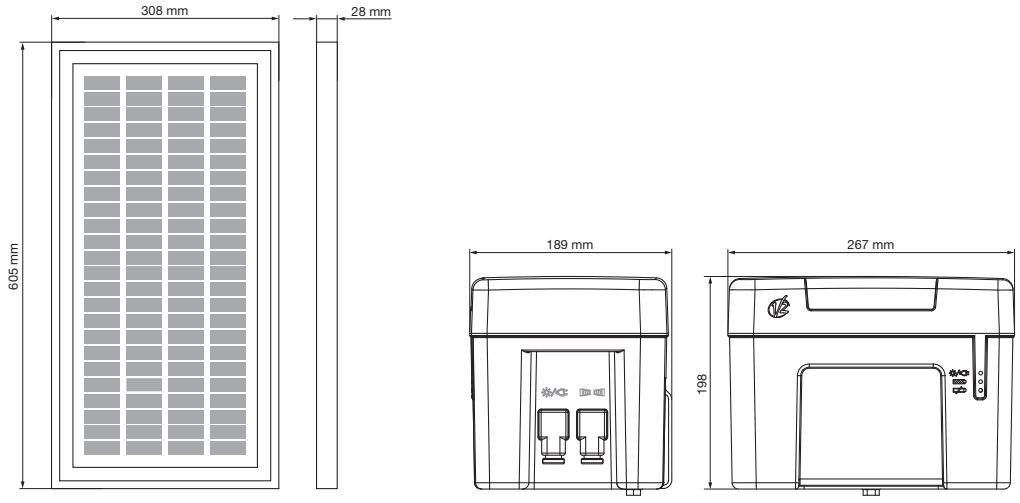
- ECO-LOGIC is the new V2 system to power the 24V automations with just solar energy
- This system allows the automation of installations, very far from the mains, without excavation works
- The panel converts the solar light into electric energy, stored in the battery box
- The battery box provides full autonomy to V2 24V systems, day and night and even after long periods of bad weather
- In the event of batteries being fully discharged, a quick charge is available via the additional 230V power adaptor
- Possibility to install an additional panel for intensive use or installed in the shade automations

TECHNICAL FEATURES

Description	**ECO-LOGIC** accumulator unit	**ECO-LOGIC** solar panel	**ECO-LOGIC** mains power supply
MODEL	**ECO-LOGIC**		**-**
CODE	**28A034**		**172802**
Voltage output towards the control unit (Vdc)	24 - 28	-	-
Maximum voltage without load (Vdc)	-	42	-
Voltage at maximum power point (Vdc)	-	33.6	-
Power supply (Vac - Hz)	-	-	230 - 50
Maximum current (A)	16	-	-
Peak nominal power (W)	-	20	-
Nominal power (W)	-	-	36
Battery capacity (Ah)	18	-	-
Mains recharge time (h)	~15	-	-
Protection degree (IP)	44	-	-
Working temperature (°C)	0 ÷ +40 (charging) -20 ÷ +50 (in use)	-20 ÷ +80	0 ÷ +30
Weight (Kg)	12	2.2	1.7

BATTERY BOX

- Three led on the front of the unit indicate the charge level of the batteries
- Two simple plug in connectors at the side of the unit provide quick and easy connection of both the control unit and solar panel
- The connector used for solar panel can also be connected to the auxiliary power supply



ACCESSORIES

172802	172801
Auxiliary power supply for mains charging	Additional solar panel

sirmo

Key switch with European cylinder

PLUS

- Die-cast aluminium frame
- Burglar-proof
- Inner seal to ensure maximum tightness of the container
- Electrical contacts and levers protected by a plastic casing
- Available in recessed, wall-mounted and pillar version
- Pillar version compatible with GARDO pillars (in the same colour of the front cover of the pillar)
- Possibility to manage multiple switches with the same lock, replacing the key knob supplied with the accessory one. 8 sets of knobs are available with the following codes:
  172003 - 172004 - 172005 - 172006
  172007 - 172008 - 172009 – 172010

TECHNICAL FEATURES

Description	key switch **recessed-mounted**	key switch **wall-mounted**	key switch **pillar-mounted**
MODEL	**SIRMO-I**	**SIRMO-E**	**SIRMO-G**
CODE	**20A008**	**20A006**	**20A007**
Dimensions (mm)	82 x 77 x 62	82 x 77 x 52	82 x 77 x 52
Working temperature (°C)	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C
Protection degree (IP)	44	44	44

sirmo-digit

Digital radio or wired switch

PLUS

- Die-cast aluminium frame
- Inner seal to ensure maximum tightness of the container
- Safe enabling by typing a custom combination from 1 to 8 digits
- Possibility to program up to 9 different channels
- Wall-mounted and pillar version
- Pillar version compatible with GARDO pillars (in the same colour of the front cover of the pillar)
- Rolling code radio version (works like a normal Personal Pass transmitter)
- Wired version that can be interfaced with the DEC4 and RXP4-C decoders
- Backlit keyboard

TECHNICAL FEATURES

Description	digital switch **radio, wall-mounted**	digital switch **radio, wall-mounted**	digital switch **radio, pillar-mounted**	digital switch **radio, pillar-mounted**	digital switch **wired, wall-mounted**	digital switch **wired, pillar-mounted**
MODEL	**SIRMO-DE**	**SIRMO-DE 868**	**SIRMO-DG**	**SIRMO-DG 868**	**SIRMO-DEC**	**SIRMO-DGC**
CODE	**10L009**	**10L012**	**10L010**	**10L013**	**20A009**	**20A011**
Frequency (MHz)	433.92	868.30	433.92	868.30	-	-
Power supply (Vac)	2 x 1.5V alkaline 1100 mA	2 x 1.5V alkaline 1100 mA	2 x 1.5V alkaline 1100 mA	2 x 1.5V alkaline 1100 mA	12-24 Vac/dc	12-24 Vac/dc
Max. absorption (mA)	25	40	25	40	35	35
Range in open field (m)	150	100	150	100	-	-
Working temperature (°C)	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C
Protection degree (IP)	55	55	55	55	55	55
Dimensions (mm)	82 x 77 x 32	82 x 77 x 32	82 x 77 x 52	82 x 77 x 52	82 x 77 x 32	82 x 77 x 52

next

Radio proximity system (READ ONLY keys)

next-tag

next-card

master

PLUS

- The digital radio switch NEXT does not need any electrical wiring and sends a code compatible with Personal Pass transmitters (433.92 MHz)
- NEXT must be initialized with a MASTER card (supplied with the reader) that can be serialized with PROGTAG-USB and WINPPCL
- The READ ONLY access keys (NEXT-TAG and NEXT-CARD models) are factory set and have to be stored in the proximity reader (up to 400 keys)
- The stored keys enable the radio transmission of the code with active Rolling code
- Visual signalling through LED and acoustic through internal buzzer
- Low battery warning
- Wall-mounted and pillar version
- Pillar version compatible with GARDO pillars (in the same colour of the front cover of the pillar)
- Die-cast aluminium frame
- Inner seal to ensure maximum tightness of the container

TECHNICAL FEATURES

Description	proximity reader **wall-mounted**	proximity reader **pillar-mounted**	proximity key	proximity card
MODEL	**NEXT-RSE**	**NEXT-RSG**	**NEXT-TAG**	**NEXT-CARD**
CODE	**15G001**	**15G002**	**15F001**	**15E001**
Frequency (MHz)	433.92	433.92	125 KHz	125 KHz
Power supply (Vac)	2 x 1.5V alkaline 1100 mA	2 x 1.5V alkaline 1100 mA	-	-
Max. absorption (mA)	60	60	-	-
Range in open field (m)	150	150	0.04	0.04
Working temperature (°C)	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C
Protection degree (IP)	55	55	55	55
Dimensions (mm)	82 x 77 x 32	82 x 77 x 52	30 x 36 x 6	85 x 54

proksima

Proximity system (READ & WRITE keys)

vtr

vcr

prog-tag

PLUS

- Proximity systems are used with automation systems where it is necessary to use customized keys or passes to control access
- The proximity reader must be interfaced with a DEC4 or RXP4-C decoder
- The keys and proximity cards are stored in the decoder
- Just move a key or a card near a Proksima reader to execute the command set in the decoder
- Proximity keys and passes can be factory serialised by V2 or programmed by the installer using the Progtag terminal running WINPPCL interface software
- The keys and proximity cards are "read & write" devices that can be reprogrammed countless times.
  The access device programming code is unique and extremely safe
- Visual signalling through LED and acoustic through internal buzzer
- Wall-mounted and pillar version
- Pillar version compatible with GARDO pillars (in the same colour of the front cover of the pillar)
- Die-cast aluminium frame
- Inner seal to ensure maximum tightness of the container

TECHNICAL FEATURES

Description	proximity reader **wall-mounted**	proximity reader **pillar-mounted**	serialised proximity key*	serialised proximity card**	device for programming proximity cards and passes
MODEL	**PROKSIMA-EC**	**PROKSIMA-GC**	**VTR**	**VCR**	**PROGTAG-USB**
CODE	**15C003**	**15C004**	**15B001**	**15A002**	**161502**
Frequency (KHz)	-	-	125	125	-
Power supply (Vac)	12-24 Vac/dc	12-24 Vac/dc	-	-	USB
Absorption (mW)	700	700	-	-	-
Working temperature (°C)	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C
Protection degree (IP)	55	55	55	55	55
Dimensions (mm)	82 x 77 x 32	82 x 77 x 52	22 x 30 x 5	85 x 54	100 x 195 x 40

* the code 15B003 is the proximity key to serialize
** the code 15A003 is the proximity card to serialize

dec4-plus

Remote decoder

PLUS

- Programming via button and LED
- 4 normally open output relays
- Option to select the output type: monostable, step or timer
- Sequential storing of access devices
- Possibility to store up to 1008 different codes
- Memory full warning
- Basic programming using button or advanced programming using the PROG2 programming device and WINPPCL software
- Plug-in terminal board

TECHNICAL FEATURES

Description	remote decoder
MODEL	**DEC4-PLUS**
CODE	**15D003**
Power supply (Vac/dc)	12-24
Absorption in stand-by (mA)	17
Relay contact (A)	1 @ 30 Vdc
Maximum data wire length (m)	100
Working temperature (°C)	- 20 ÷ + 60
Protection degree (IP)	55
Dimensions (mm)	74 x 132 x 26

rxp4-c

Remote decoder with display

PLUS

- Programming achieved using 3 program buttons and display
- 4 programmable channels with monostable, bistable or timer operating logics
- Relay outputs 2 - 3 - 4 with N.O. or N.C. contact that can be selected using the jumpers
- Possibility to store up to 1008 different codes
- Sequential storing of access devices
- Memory full warning
- Saving data on MR2 removable receiver module
- Data management via PROG2 and WINPPCL by inserting the removable module MR2 into connector TX of PROG2

TECHNICAL FEATURES

Description	remote decoder **with display**
MODEL	**RXP4-C**
CODE	**15D004**
Power supply (Vac/dc)	12-24 Vac/dc / 12-36 Vdc
Absorption in stand-by (mA)	16 @ 24 Vdc
Relay contact (A)	relay 1 = 5A - 230Vac / relay 2 = 1A - 30Vdc / relay 3 = 1A - 30Vdc / relay 4 = 1A - 30Vdc
Maximum data wire length (m)	100
Working temperature (°C)	- 20 ÷ + 60
Protection degree (IP)	55
Dimensions (mm)	170 x 185 x 70

gardo

Aluminium pillars for photocells and accessories

gardo100 + sirmo

gardo100 + sirmo-digit

gardo100 + proksima next

PLUS

- 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
- Aluminium frame
- Polycarbonate front cover
- 3 point ground anchoring

TECHNICAL FEATURES

Description	pair of pillars	single pillar
MODEL	**GARDO50**	**GARDO100**
CODE	**161303**	**161302**
Height (cm)	50	100

lumos

Led flashing light

PLUS

- Led device that does not need any maintenance
- Multivoltage technology enabling operation of the flashing light with a wide range of power supplies (24 to 230V)
- Automatic built-in intermittence circuit
- Can be installed on a flat surface or on wall using the bracket supplied with the product
- Built-in antenna

TECHNICAL FEATURES

MODEL	LUMOS-M
CODE	14C003
Power supply (Vac/dc)	24 ÷ 300Vdc / 24 ÷ 230Vac - 50Hz
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54
Dimensions (mm)	136 x 82 x 35

blinko

Led flashing light

PLUS

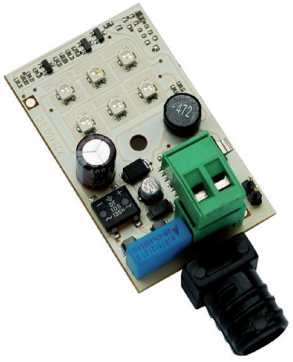
- Led device that does not need any maintenance
- Multivoltage technology enabling operation of the flashing light with a wide range of power supplies (24 to 230V)
- Automatic built-in intermittence circuit

TECHNICAL FEATURES

MODEL	BLINKO-M
CODE	14D005
Power supply (Vac/dc)	24 ÷ 300Vdc / 24 ÷ 230Vac - 50Hz
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54
Dimensions (mm)	90 x 43 x 36

ml6

Multivoltage led module



PLUS

- Led device that does not need any maintenance
- It replaces normal filament bulbs inside the already-installed flashing lights
- It is suitable for all types of flashing lights thanks to multi-voltage technology
- Easy installation thanks to a screw connector for using ML6 on common couplings of E14 bulbs
- Its extractable terminal board prevents cable twisting during installation

TECHNICAL FEATURES

MODEL	ML6
CODE	**14A005**
Power supply (Vac/dc)	24 ÷ 300Vdc / 24 ÷ 230Vac - 50Hz
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	74 x 32 x 30

fza

Traffic light

PLUS

- 24V traffic light with two lamps: green and red
- Body in painted aluminium with nylon parts
- 3W LED bulbs
- Adjustable up to 200° in horizontal plane
- Screen for bulb Ø 120 mm in polymethacrylate

TECHNICAL FEATURES

MODEL	FZA-24V
CODE	**161220**
Power supply (Vac/dc)	24
Working temperature (°C)	-30 ÷ +80
Protection degree (IP)	65
Dimensions (mm)	180 x 410 x 290

ans433

Outdoor antenna with protective covering for receivers provided with 2.5 m RG-58 cable

TECHNICAL FEATURES

MODEL	ANS433
CODE	19A001
Frequency (MHz)	433 ÷ 868
Impedence (Ohm)	50
Gain (db)	2,5

sensiva-xs

Miniaturized wall- and pillar-mounted photocells, synchronised and self-aligning

PLUS

- Very small size (84x29x24 mm)
- They can be installed inside the GARDO pillars
- 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

TECHNICAL FEATURES

MODEL	SENSIVA-XS
CODE	**13C002**
Optical range (m)	20
Dimensions (mm)	29 x 84 x 24
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54

sensiva-180

Wall-mounted photocells, adjustable (180°) and synchronised

PLUS

- Adjustable up to 180° on the horizontal axis and 30° on the vertical axis
- 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

TECHNICAL FEATURES

MODEL	SENSIVA-180
CODE	**13C003**
Optical range (m)	20
Dimensions (mm)	41 x 115 x 38
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54

sensiva-plus

Wall-mounted photocells, synchronized (up to 8 pairs of devices) and adjustable (180°)

PLUS

- Syncronized: ability to set 8 different transmission codes to simultaneously use 8 pairs of photocells without mutual interference
- Adjustable up to 180° on the horizontal axis and 30° on the vertical axis
- Automatic slow down of the detection signal in the event of snow to avoid undesired activations caused by the fall of the flakes

TECHNICAL FEATURES

MODEL	SENSIVA-PLUS
CODE	**13C004**
Optical range (m)	20
Dimensions (mm)	41 x 115 x 38
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54

sensiva-wl

Synchronized, adjustable (180°), wall mounted photocells with battery powered transmitter

PLUS

- Possibility to connect a resistive or traditional safety edge on the transmitter
- Synchronised: ability to set two different transmission codes to simultaneously use two pairs of photocells without mutual interference
- Adjustable up to 180° on the horizontal axis and 30° on the vertical axis
- Automatic slow down of the detection signal in the event of snow to avoid undesired activations caused by the fall of the flakes

TECHNICAL FEATURES

MODEL	SENSIVA-WL
CODE	**13C005**
Optical range (m)	20
Dimensions (mm)	41 x 115 x 38
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54

sensiva

Synchronised, adjustable wall- and pillar-mounted photocells

PLUS

- They can be installed inside the GARDO pillars
- Adjustable by 30°
- 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

TECHNICAL FEATURES

MODEL	SENSIVA
CODE	13C001
Optical range (m)	25
Dimensions (mm)	42 x 90 x 36
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54

dfn

Synchronised, self-aligning wall- and recessed-mounted photocells

PLUS

- 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

TECHNICAL FEATURES

MODEL	DFN
CODE	13A001
Optical range (m)	25
Dimensions (mm)	66 x 76 x 30
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54

shield-180

Armoured wall-mounted photocells adjustable (180°) and synchronised

PLUS

- Shockproof aluminium cover
- Adjustable up to 180° on the horizontal axis and 30° on the vertical axis
- 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

TECHNICAL FEATURES

MODEL	SHIELD-180
CODE	**13C007**
Optical range (m)	20
Dimensions (mm)	74 x 141 x 55
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	55

reflex

Reflective photocells

pmp12

pc50

PLUS

- **pmp12**: equipped with cable glands with gaskets and mounting bracket
- **pc50**: equipped with 4 m pre-wired cable and mounting bracket

TECHNICAL FEATURES

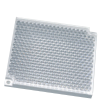
MODEL	PMP12	PC50
CODE	**13D007**	**13D006**
Optical range (m)	10	6
Dimensions (mm)	65 x 25 x 81	50 x 17 x 50
Power supply	24 Vac/dc	12-240 Vdc / 24-240 Vac
Relay contact (A)	3	1
Working temperature (°C)	-10 ÷ +55	-20 ÷ +60

161304

Reflector Ø 80 mm

161305

Reflector 40 x 60 mm



161306

Reflector 84 x 84 mm

161307

White metal container for PMP12

161308

White cover for metal reflector

wes

Radio control system for safety edges

PLUS

WES (Wireless Edge System) is the new V2 system allowing safety edges to be controlled by radio.

The system consists of a base unit connected directly to the control unit and one or more sensors connected to the safety edges.

The base unit is powered from the control unit and constantly monitors the status of the sensors connected.

Up to a maximum of 8 sensors can be connected to each base unit.

Each sensor is able to control up to 2 traditional safety edges with N.C. contact or resistive safety edges (8,2kohm).

The system is compatible with any control unit.

As an alternative to the WES base, you can use the additional modules of the control units WES-ADI (p. 122) and WES-EASY (p. 123).

TECHNICAL FEATURES

Description	base	sensor
MODEL	**WES-BASE**	**WES-SENSOR**
CODE	**35B022**	**35B021**
Power supply (Vac/dc)	12 / 24	2 x LR6/AA (1.5V-2600mAh)
Absorbed power (W)	0.75	-
Stand-by time	-	> 2 years
Outputs (relay switch)	2 safety edge alarms - 1 low battery warning 1 global signal	-
Number of sensors	up to 8	-
Number of radio channels	16	-
Inputs	-	2 mechanical or resistive safety edges
Maximum range (m)	-	10
Working temperature (°C)	- 20 ÷ + 60	- 15 ÷ + 50
Protection degree (IP)	55	54
Dimensions (mm)	125 x 56 x 23	170.5 x 45 x 19.5

vek

Inductive loop detectors

PLUS

- Detection system controlled by a microprocessor which enables achieving a remarkable accuracy and user notification by means of LED messages
- 4 adjustable sensitivity levels (for two-channels: can be set separately for each sensor)
- The modular container can be fitted into the DIN rail

SINGLE-CHANNEL DETECTOR

- 2 output relays: 1 permanent, 1 pulse
- The permanent output relay can be set normally open or normally closed

TWO-CHANNEL DETECTOR

- Presence detection function: reports the presence of a vehicle through relay 1 and relay 2 pulse when the vehicle leaves the sensor
- Transit direction detection function (output that can be set either to fixed or pulse): activation of relay 1 for a transit direction and the other relay for the other direction

TECHNICAL FEATURES

Description	single-channel detector	two-channel detector
MODEL	**VEK1**	**VEK2**
CODE	**162241**	**162242**
Power supply (Vac/dc)	24 (+/- 10%)	24 (+/- 10%)
Absorbed power (W)	1,5	2
Outputs (relay switch)	1 permanent relay 1 pulse relay	2 permanent relays
Frequency (KHz)	30 ÷ 130	30 ÷ 130
Dimensions (mm)	79 x 22,5 x 90	79 x 22,5 x 90

ACCESSORIES

CAB105	**CAB106**	**CAB107**
Perimeter wire (6 m)	Perimeter wire (9 m)	Perimeter wire (12 m)

touch-cmm

Mechanical safety edges

PLUS

They 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.

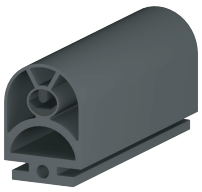
The mechanical safety edges are pre-assembled on aluminium strips and are available in various lengths:
1.5 m, 1.7 m, 2.0 m.

TECHNICAL FEATURES

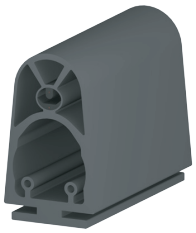
Description	mechanical safety edge **length 1.5 m**	mechanical safety edge **length 1.7 m**	mechanical safety edge **length 2 m**
MODEL	**TOUCH-CMM150**	**TOUCH-CMM170**	**TOUCH-CMM200**
CODE	**162301**	**162302**	**162303**

touch-r

Resistive safety edges



TOUCH-RL



TOUCH-RH

PLUS

Constant monitoring is achieved using the closed-circuit principle.

The last safety contact edge in a possible serial connection is fitted with a terminal resistor, which is continuously monitored by an electronic evaluation unit.

Thus allowing the entire circuit to be monitored for shorts and wire breaks.

TECHNICAL FEATURES

 **TOUCH-RL**	aluminium strip **length 2 m**	aluminium strip **length 3 m**	rubber strip **length 25 m** (h = 30 mm - w = 25 mm)	End plug with cable	End plug with resistance
MODEL	**TOUCH-RLA02**	**TOUCH-RLA03**	**TOUCH-RLG25**	**TOUCH-RLTC**	**TOUCH-RLTR**
CODE	**35B003**	**35B004**	**35B027**	**35B028**	**35B029**

 **TOUCH-RH**	aluminium strip **length 2 m**	aluminium strip **length 3 m**	rubber strip **length 25 m** (h = 55 mm - w = 35 mm)	End plug with cable	End plug with resistance
MODEL	**TOUCH-RLA02**	**TOUCH-RLA03**	**TOUCH-RLG25**	**TOUCH-RLTC**	**TOUCH-RLTR**
CODE	**35B011**	**35B012**	**35B030**	**35B031**	**35B032**

feel

Optical safety edges

PLUS

The optical safety edges are made of EPDM rubber (resistant to temperatures ranging from -50° to +150°) and a system of watertight reception/transmission photocells, very small, used in industrial applications and already tested in very hostile environments such as tunnel washing systems.

The operation is very simple: when the rubber is deformed by an external body, the cell radius is interrupted. Then, information is transmitted to a card with active safety system with input for automatic operation control.

The edge can be compressed by more than 1 cm (FEEL-HG20) along its entire length (including photocells) without detection. This enables safe use on shutters or sectional doors.

The IP68 resin, the infrared technology (emission through fluids) and the absence of electricity in the rubber ensure operation under any conditions, even in case of water infiltration into the profile

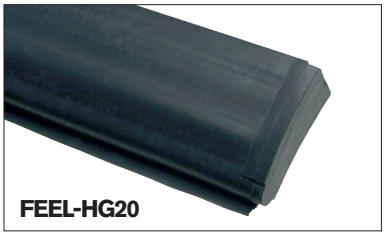
The safety edge works even when bent thanks to the powerful infrared beam (through fluids) and reflection within the profile.

The interlocking rubber profile enables quick installation, while the cable of the photocell can pass through quick and easy: no screws, glue or silicone. The photocells are inserted into the profile and connected to the amplifier. In just a few steps, the safety edge is ready to stand the test of time.

The profile FEEL-LG20 can be placed either horizontally (doors) or vertically (gates). The plastic cover can be removed to maintain the appearance of the gate unaltered.

FEEL-LG20

Description	Rubber profile L (h 57 mm - 20 m roll)	Right end cap for L rubber profile	Left end cap for L rubber profile
MODEL	**FEEL-LG20**	**FEEL-LTD**	**FEEL-LTS**
CODE	**35A003**	**35A004**	**35A005**

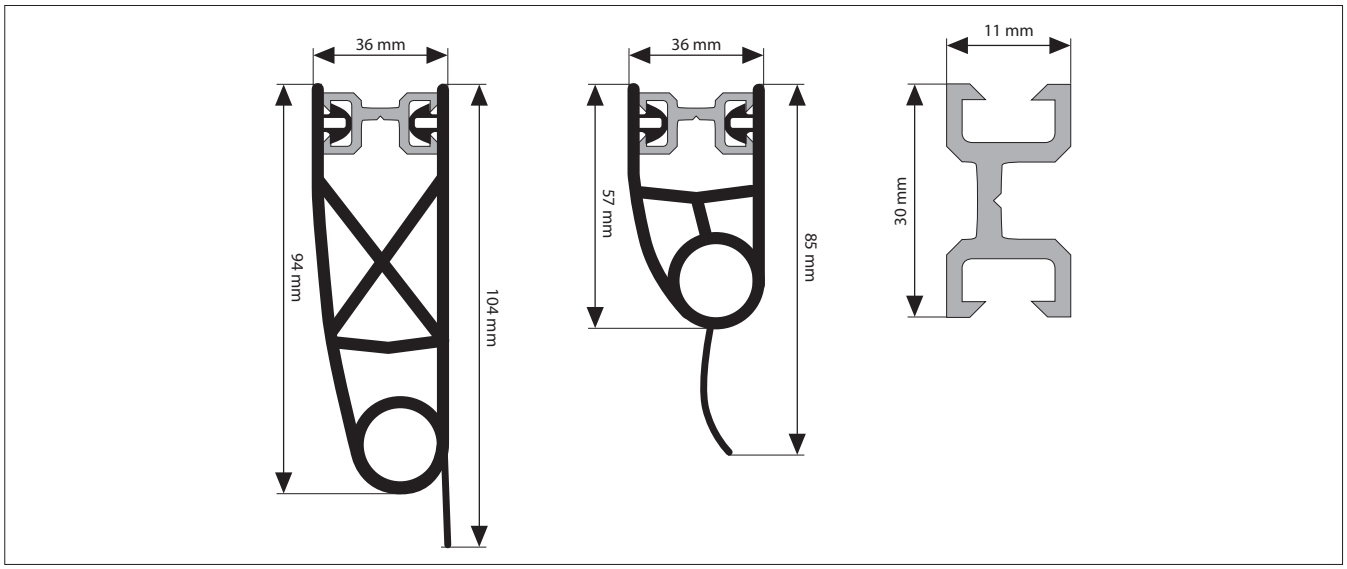


FEEL-HG20

Description	Rubber profile H (h 94 mm - 20 m roll)	Right end cap for H rubber profile	Left end cap for H rubber profile
MODEL	**FEEL-HG20**	**FEEL-HTD**	**FEEL-HTS**
CODE	**35A006**	**35A007**	**35A008**

FEEL-RX18 / FEEL-TX18

Description	Photocell (transmitter unit ø 18 mm)	Photocell (receiver unit ø 18 mm)
MODEL	**FEEL-TX18**	**FEEL-RX18**
CODE	**35A001**	**35A002**
Optical range (m)	10	
Power supply	12÷24 Vac/dc	
Signal	modulated infrared 833 Hz	
Working temperature (°C)	-20 ÷ +80	



ACCESSORIES

35A009

Aluminium profile length 2 m
(for rubber profiles L/H)

35A010

Aluminium profile length 3 m
(for rubber profiles L/H)

35A012

Extendable cable length 3 m
(4 x 0,75 mm²)

35A013

Extendable cable length 3 m
(7 x 0,25 mm²)

35A024

Interface for optical-type safety
edges (1 NPN output)

35A025

Glue (tube of 2 g)

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