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COMMAND AND SAFETY DEVICES

PROXIMITY
COMMAND SYSTEMS

DKS1000T

DIGITAL TRANSMISSION VIA CABLE
SURFACE-MOUNT INSTALLATION IP57
NUMBER OF USER CODES THAT CAN BE STORED: 1000
NUMBER OF AVAILABLE CODE COMBINATIONS: 1 MILLION
SEPARATE COMMAND FUNCTIONS: 4
MANAGES UP TO 3 PERIPHERAL DEVICES (KEYPADS / READERS)
BACKLIGHTING PROGRAMMING

DKS is a security system via cable ideal for commanding automatic gates and doors and access control systems. Extremely efficient, it can be inserted into any architectural context with extreme ease and is made up of an anti-tamper numerical key pad, a key-pad with transponder functions, a transponder reader and an interface which is activated either by a digital code typed into the keypad, by the proximity of a Series S500 transmitter or by a transponder tag/card. All devices are connected by a shielded single wire cable.

DKS1000 is a system made up of a numerical code keypad and an interface. The extremely compact and efficient command keypad has a case made of Zamak, the key cover and sealing gaskets are made of silicon rubber, the flush-fitting and embedding wall fastening bases are both made of Zamak and the fastening system uses personalised screws. The DKS1000R interface allows the memorisation of 1000 user codes and has code cancellation, memorisation and memory reset functions directly on the keyboard.
It is possible to memorise up to three keyboards in a single interface module which allows you to activate commands from different locations. You can also manage up to four contacts independently with separate keys using impulsive ON / OFF or timer controlled relays. After having inserted a special enabling code it is possible to memorise codes from a remote position without accessing the interface.

DKSTPM is a system made up of a transponder reader and an interface. The transponder reader DKSTPMT is compact and reliable and housed in a shockproof zamak container IP57 with an easy to apply wall fastening base. The system allows the remote reading of tags, transponder cards and series S500 transmitters, through the use of the interface DKS1000R which is able to memorise up to 1000 users. It is possible to memorise up to three transponder readers in a single interface module which allows you to activate commands from different locations
It is possible to memorise tags directly on the reader using a Master Tag or by accessing the interface and pressing the programming button.
The transponder in the tag is passive and therefore does not require a power supply and is only activated when it finds itself in the transponder reader detection zone.

DKSDUAL is a multifunctional security system that unites the functions of the DKS1000 and DKSTPM in a single product. The device, in a shockproof polycarbonate IP57 container, features backlighting with adjustable intensity automatically controlled by a light sensor and a proximity sensor.

BUTTONS WITH BACKLIGHTING DKS1000T

ANTI-TAMPER SYSTEM DKS1000T

SHOCKPROOF CONTAINER IN POLYCARBONATE WITH BACKLIGHTING DKSDUALT

S500 TRANSMITTERS AND TAGS DETECTED USING RFID TECHNOLOGY

MEMORISATION OF UP TO 1000 CODES

PRODUCT DESCRIPTION

ORDER NUMBER

KEYPAD
Surface-mounting IP57.
The metal antitamper keyboard DKS1000T has 12 keys, 10 numerical (0-9), one confirm key (*) and one cancel key (#) by means of which it is possible to program the backlighting and other operational parameters. It is suitable for connection with the DKS security system via a shielded unipolar wire carrying both the power supply and the data line. It is also fitted with auxiliary serial line allowing it to connect to the CARHF4G system (See Access Control section at page 182).

DKS1000T

Dimensions 72 x 104 x 26.

KIT - DKS1000

KEYPAD WITH BACKLIGHTING — **DKS1000T**

KIT KEYPAD + INTERFACE — **DKS1000**

TRANSPONDER READER
Surface-mounting IP57.
Using dip-switch settings it is possible to program the backlighting and other operational parameters. It is suitable for connection with the DKS security system via a shielded unipolar wire carrying both the power supply and the data line. Allows the interface to be activated by proximity reading an S500 transmitter, a TAG or a CARD. It is also fitted with auxiliary serial line allowing it to connect to the CARHF4G system (See Access Control section at page 182).

DKSTPMT

Dimensions
70 x 70 x 24.

KIT - DKSTPM

RFID 13,56 MHz

TRANSPONDER READER IN A ZAMAK CASE — **DKSTPMT**

KIT TRANSPONDER READER IN A ZAMAK CASE + INTERFACE — **DKSTPM**

KEYPAD WITH TRANSPONDER FUNCTION
Surface-mounting IP57.
The DKSDUALT device has the following features:
- 12 keys with backlighting;
- backlighting controlled by the proximity sensor.

Allows the interface to be activated by either typing in a code or by proximity reading an S500 transmitter, a TAG or a CARD.

DKSDUALT

Dimensions 74 x 130 x 20.

KIT - DKSDUALT

RFID 13,56 MHz

KEYPAD WITH TRANSPONDER FUNCTION — **DKSDUALT**

KIT KEYPAD TRANSPONDER + INTERFACE — **DKSDUAL**

4-CHANNEL INTERFACE — **DKS1000R**

The interface box is easy to install and has the following features:
- power supply 12 or 24Vac-dc;
- 4 normally open relays (one for each channel);
- management of up to 3 peripheral devices (keypads and/or transponder readers;
- 1 multifunction key for the following functions: storing a code, cancelling a code, cancelling the entire memory content, inserting an activation code for the "remote memorisation" function. It is possible to store 1000 codes in memory with a maximum of 6 digits for each code. Each code can activate up to 4 channels (different functions).

Dimensions 95 x 75 x 25.

RFID 13,56 MHz

TRANSPONDER TAG (WHITE) — **TAGWH**

TRANSPONDER TAG (GREY) — **TAGGR**

10 TRANSPONDER CARDS — **TAGCARD**

SELECTORS AND SENSORS

PRODUCT DESCRIPTION	ORDER NUMBER

KEY OPERATED SURFACE-MOUNT SWITCH IN ALUMINIUM
Selector switch for the manual on-site activation of automatic gate and door systems. Container in cast aluminium with a shockproof plastic front piece. Anti-tampering system that is easy to install and easier to use.

SELMEC/E1

Maximum voltage 30Vac-dc.
Maximum current 2A.
Open-close functions.
Overall dimensions 35 x 70 x 70.

KEY OPERATED SURFACE-MOUNT SELECTOR SWITCH
Selector switch in shockproof material for the manual on-site activation of automatic gate and door systems.

APRO

Maximum voltage 30Vac-dc.
Maximum current 2A.
Open-close functions.
Overall dimensions 102 x 43 x 34.

PROTECTIVE SUPPORT
Protective support in cast aluminium for the APRO selector switch. Lots of 2 pcs.

BLINDO

Dimensions 46 x 133 x 37

FASTENING BASE
Wall fastening base for the selector switch APRO. Cover when installing over pre-existing holes. Lots of 2 pcs.

COP

Dimensions 110 x 150 x 14

KEY-OPERATED EMBEDDING SELECTOR SWITCH
Selector switch in shockproof material for the manual on-site activation of automatic gate and door systems.
Anti-tampering system that is easy to install and easier to use.

SELCH

Maximum voltage 30Vac-dc.
Maximum current 2A.
Open-close functions.
Overall dimensions 69 x 69 x 78.

ANEMOMETER
Wind speed sensor (with wall bracket).
The wind sensor can be used with all electronic devices that feature a potential free “anemometer” contact.
Overall dimensions 240 x 220 x 71.

SW01

SINGLE COIL
METALLIC MASS DETECTORS

POWER SUPPLY 24Vac-dc / 230Vac
AUTOMATIC CALIBRATION
SENSITIVITY ADJUSTMENT
MULTIPLE RELAY OUTPUT

Device for detecting the presence of metallic masses in a magnetic field generated by a special external circuit (sensitive coil) connected to it. The appliance can be used to control either single or multiple passageways connected to a computer with the possibility of detecting the direction in which the traffic is moving (rapid passage mode up to 100km/h). Multiple appliances working together allow you to have real time control over the parking situation in a variable number of parking lots in one or more zones.

The system is made up of four components:

- a detection device contained in a special protective case;
- socket for fitting on panelling or rails DIN46277 (METALDEC only);
- a sensitive element (not supplied by us) that should be made up of a multipolar cable with one or more wires and must respect the measurements as specified in the drawings;
- a bipolar cable (not supplied by us) with which to connect the sensitive element to the detecting device.

If you use two single-wire cables these should be loosely wound together.

METALDEC

Overall dimensions 101 x 71 x 35.

METALD3

Overall dimensions 146 x 64 x 38.

Technical description	METALDEC230X	METALDEC024X	METALD3
Power supply:	230Vac (50-60Hz) 35mA	24Vac-dc 100mA	24Vac-dc 100mA
Sensitivity:	8 levels	8 levels	4 levels
Relay output:	2 (max. 1A 30V)	2 (max. 1A 30V)	3 (max. 1A 30V)
Operating temperature range:	-20°…+55°C	-20°…+55°C	-20°…+55°C
Protection grade:	IP40	IP40	IP54

SELF-CALIBRATING METAL DETECTOR (POWER SUPPLY 24V) **METALDEC024X**

SELF-CALIBRATING METAL DETECTOR (POWER SUPPLY 230V) **METALDEC230X**

SELF-CALIBRATING METAL DETECTOR (POWER SUPPLY 24V) **METALD3**

RAIL GUIDE SOCKET DIN 46277

UNDECAL CONNECTION FOR DIN RAIL GUIDE

SENSITIVITY SELECTOR H-M-L AND RESET BUTTON

DOUBLE RELAY WITH SERIAL EXCHANGE NO-NC

SENSITIVITY SELECTION DIP-SWITCHES

WIRELESS TRANSCEIVER SAFETY SYSTEM

CONFORMS TO THE SAFETY STANDARD EN12978

433 MHz | 868 MHz | CLASS 3

RADIOSHIELD

MAXIMUM RADIO SIGNAL RANGE 30m

PROTECTION GRADE IP65

OPERATING TEMPERATURE RANGE -20…+55°C

Safety first, this is our what we have in mind. Guaranteeing safety within a complex system is not to be taken lightly as it is never obtained by chance. Safety must be the point of arrival and to obtain it requires a combination of professionalism, experience and know how. It is for this reason that our know how is dedicated to the creation of professional appliances for specialised installers.

Radioshield is part of this project and it becomes part of a range of appliances all of which are dedicated to the protection of absolutely reliable motorized closing systems constructed in conformity with CLASS 3. Appliances that unite maximum detection efficiency and controlled intervention working together under all conditions predictable or unpredictable that could arise during the operation of the system.

RANGE OF PRODUCTS

Radioshield is made up of the following high technology appliances protected by robust and practical containers with an elevated degree of protection against inclement weather.

STATIONARY TRANSCEIVER UNIT

The stationary transceiver is able to manage up to 8 security devices via radio and is fitted with 3 safety outputs NO/8.2kΩ set by jumpers. The semi-transparent cover allows the status of the safety devices and the level of charge in the batteries on the transceiver interface to be controlled visually by means of LEDs. Each radio controlled safety device can be associated with one of the three safety outputs by means of a dip-switch.

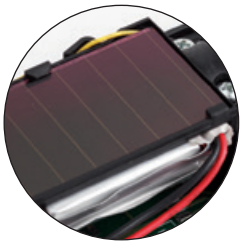
SAFETY EDGE TRANSCEIVER INTERFACE

The transceiver interface is wired directly to the safety edge on the moving part of the installation. This is a highly professional appliance categorised as a safety device and used with Cardin safety edges it conforms to the European safety standard EN12978. The 3V Cardin Lithium battery supplied with the appliance is highly reliable under all weather conditions and furnishes a high level of safety and top performance in all environments.

PAIR OF WIRELESS TRANSCEIVER PHOTOELECTRIC CELLS

The pair of wireless photoelectric cells can be installed on any surface without wiring. Power is supplied by a solar panel on bright days and by a 3V lithium battery in conditions of insufficient light. The duration of the battery can be optimised by using the energy saving function to set the cut in time and the installation operating distance.

Self-locking adjustable lens which can be rotated horizontally through plus or minus 90° and vertically through plus or minus 30° with respect to the standard installation position.



COMBINED OPERATION BATTERY - SOLAR PANEL

ADJUSTABLE LENS

CABLE GLANDS SUPPLIED WITH THE APPLIANCE

STATIONARY TRANSCEIVER, SAFETY OUTPUT MANAGEMENT (NC/8,2kΩ)

8 RED SAFETY STATUS LEDS
8 GREEN BATTERY CHARGE LEDS

PRODUCT DESCRIPTION		ORDER NUMBER	
SAFETY EDGE TRANSCEIVER INTERFACE 3V lithium battery power supply. Safety edge signal input NC/8.2kΩ. Maximum radio signal range 30m. Shockproof case IP65.	433 MHz	SAFEPRC4	 Dimensions 50 x 145 x 26
	868 MHz	SAFEPRC8	
PAIR OF WIRELESS PHOTOELECTRIC CELLS 3V lithium battery power supply. Maximum radio signal range 30m. Maximum infrared range 10m. Transmitter and receiver housed in shockproof and waterproof cases IP65.	433 MHz	SAFECDR4	 Dimensions 60 x 125 x 41
	868 MHz	SAFECDR8	
STATIONARY TRANSCEIVER UNIT Power supply 12/24Vac-dc. Maximum radio signal range 30m. 8 safety devices. 3 safety outputs NC/8.2kΩ. Shockproof case IP65.	433 MHz	SAFEDECX4	 Dimensions 109 x 110 x 40
	868 MHz	SAFEDECX8	
KIT SAFETY EDGE INTERFACE + STATIONARY UNIT (433MHz)		SAFEKIT4	
KIT SAFETY EDGE INTERFACE + STATIONARY UNIT (868MHz)		SAFEKIT8	
KIT PAIR OF PHOTOCELLS + STATIONARY UNIT (433MHz)		SAFEKITCDR4	
KIT PAIR OF PHOTOCELLS + STATIONARY UNIT (868MHz)		SAFEKITCDR8	
3V-LITHIUM BATTERY PACK		ZRA3.0-3.8-W	

PRODUCT DESCRIPTION		ORDER NUMBER	
SAFETY EDGE TRANSCEIVER INTERFACE Power supply 2 alkaline or lithium AA batteries. Safety edge signal input NC/8.2kΩ. Maximum radio signal range 20m. Shockproof case IP65.	868 MHz	**SRCTX8E** Dimensions 50 x 145 x 26	
STATIONARY TRANSCEIVER UNIT Power supply 12/24Vac-dc. Maximum radio signal range 20m. 8 safety devices - 2 safety outputs NC/8.2kΩ. Shockproof case IP65.	868 MHz	**SRCRX8E** Dimensions 109 x 110 x 40	
1-CHANNEL STATIONARY TRANSCEIVER UNIT Power supply 12/24Vac-dc. Maximum radio signal range 20m. 8 safety devices - 2 safety outputs NC/8.2kΩ. Shockproof case IP65.	868 MHz	**SRCRX8E-1** Dimensions 50 x 145 x 26	
KIT SAFETY EDGE INTERFACE + STATIONARY UNIT	868 MHz	**SRCKIT8E**	
KIT SAFETY EDGE INTERFACE + 1-CHANNEL STATIONARY UNIT	868 MHz	**SRCKIT8E-1**	

PRODUCT DESCRIPTION	ORDER NUMBER	
SAFETY EDGE TRANSCEIVER INTERFACE Power supply 2 alkaline or lithium AA batteries. Safety edge signal input NC/8.2kΩ. Maximum radio signal range 20m. Shockproof case IP65.	433 MHz	**SRCTX4E** Dimensions 50 x 145 x 26
STATIONARY TRANSCEIVER UNIT Power supply 12/24Vac-dc. Maximum radio signal range 20m. 8 safety devices - 2 safety outputs NC/8.2kΩ. Shockproof case IP65.	433 MHz	**SRCRX4E** Dimensions 109 x 110 x 40
1-CHANNEL STATIONARY TRANSCEIVER UNIT Power supply 12/24Vac-dc. Maximum radio signal range 20m. 8 safety devices - 2 safety outputs NC/8.2kΩ. Shockproof case IP65.	433 MHz	**SRCRX4E-1** Dimensions 50 x 145 x 26
KIT SAFETY EDGE INTERFACE + STATIONARY UNIT	433 MHz	**SRCKIT4E**
KIT SAFETY EDGE INTERFACE + 1-CHANNEL STATIONARY UNIT	433 MHz	**SRCKIT4E-1**