Safety 12 pushbuttons Radio Remote Control Cat.4:to meet even the most complex machine

- **Emergency stop circuit** in compliance with safety category 4 "stop & control" EN ISO 13849-1
- **Redundant system** with double CPU and watchdog control associated with each processor
- **Jammed button** detection
- **Remote pairing** with a new transmitter with a previously installed receiver
- **Automatic research free frequency work**, interference detection system with automatic returning
- **Multi operator** "first come, first serve operation"
- **"Pitch & Catch" function** to allow for transfer of operator control
- **Emission power adjustable** by software
- **Special control function** for operation of material handling magnets
- **Receiver built-in horn** (alarm)

Special functions settable by software

- User password
- Auto power off
- Interblock between each couple of buttons
- Adjustable delay time for output activation
- 1 or 2 button toggle switch function
- Control of dual motor system
- Dual button release for material handling magnets

General Features

- **Frequency** FM 433.0825/433.6875 Mhz
- **70-channel** PLL radio module
- **Operating temperature** -45° +85°
- **Operating distance** 100 m
- **Hamming Distance** > 4
- **ID Code** over 1 million sets
- **Channel spacing** 25 KHZ
- **Enclosures** ABS e fibra di vetri IP65
- **Armonized Rules** EN/IEC/60950-1 EN60204/32 – EN 301 489/01 e 03 - EN 300 220/2 - 73/72/CEE – 93/68/CEE – 89/336/CEE
- **World Approvals** F.C.C. - RSS210 - R&TTE - L.V.D.

Transmitter Technical Features

- **L x W x H=** 274x77x42 mm
- **Weight:** 385 g (without batteries)
- **Power Supply** 4 AA size batteries
- **Output power** < 10 mW
- **Max current consumption** 30mA

- **Standby current** less than 1µA
- **Jammed button detection**
- **Low battery** indicator
- **Start key** switch & stop mushroom button

Receiver Technical Features

- **L x W x H** = 167x154x88 mm
- **Weight:** 2100 g (without cable)
- **Power Supply** 12/24 Vac/dc – 24/42/230 Vac 48/110/220 Vac – 48/220/380 Vac
- **Current consumption** at 24Vac/dc: 58mA in standby mode – 172mA with start relay activated + 18mA more for each relay

Accessories

Receiver fixing

Standard equipment with 4 shock absorber mount

Wiring

Standard connection cable wired

Cover

Standard provided with a practical case belt clip

Strap

A handy wrist strap for added security while using

Stickers

Standard interchangeable serigraph

Remote type antenna

Antenna is easily remotable with BCN connector

Battery charger To recharge AA 1,2V

Recharge batteries 2500 mA

0-1 Toggle Switch

Two 0-1 toggle switch, useful for selection in the overhead crane trolleys sector

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Transmitter and Receiver Standard Equipment

The following kits are composed of Transmitter + Receiver with 1,5m prewired cable + Transmitter protective cover:
- SAGA-K3   Receiver supply voltage 12/24 Vac/dc
- SAGA-K3-220   Receiver supply voltage 48/110/220 Vac

K3 – stop with 2 safety contacts – start + 1 alarm contact – 11 N.O. output contacts commanded by 11 single-speed buttons – 2 output contacts commanded by 2 toggle switches

Receiver built-in horn and flashing light – 4 point shock mount for demanding mobile and industrial applications

SAGA-K3-TX Transmitter Unit   **SAGA-K3-RX Receiver Unit**
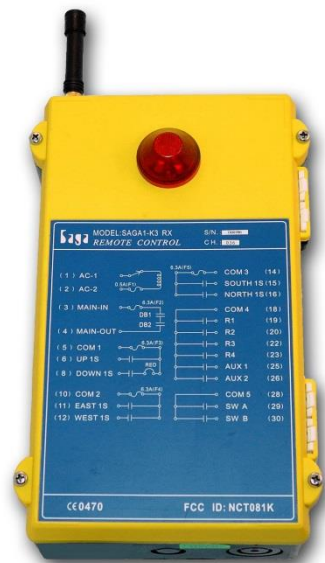
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The following kits are composed of Transmitter + Receiver with 1,5m prewired cable + Transmitter protective cover:
- SAGA-K4   Receiver supply voltage 12/24 Vac/dc
- SAGA-K4-220   Receiver supply voltage 48/110/220 Vac

K4 – stop with 2 safety contacts – start + 1 alarm contact – 18 N.O. output contacts commanded by 11 double-speed buttons – 2 output contacts commanded by 2 toggle switches.

Receiver built-in horn and flashing light – 4 point shock mount for demanding mobile and industrial applications

SAGA-K4-TX Transmitter Unit   **SAGA-K4-RX Receiver Unit**

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Antennas
Cable to remotely locate the antenna when the receiver is installed inside a control cabinet

Dipole antenna to increase the reception up to 150m in open field

Program Kit
With software and copier module