

Safety 7-8 pushbuttons Radio Remote Control Cat.4: redundant controls in double transmission, high quality level

- **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** of a new transmitter with a previously installed receiver
- **Multi-operator** "firstcome, first serve operation"
- **Pitch & catch function** to allow for transfer of operator control
- **Emission power adjustable** by software
- **Interference detection system** with automatic retuning
- **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
- **Radio** 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** IP65 glass reinforced nylon
- **Cover** Plastic standard accessories
- **Armonized Rules** EN/IEC/60950-1 EN60204/32 – EMC: EN 301 489/01 e 03 - EN 300 220/2-73/72/CEE – 93/68/CEE – 89/336/CEE
- **World Approvals** E.C.C. - RSS210 - R&TTE - L.V.D.



Transmitter Technical Features

- **L x W x H** =163x49x45 mm
- **Weight:** 210 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
- **Output contacts** 250 Vac – 5A



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 removable with BCN connector

Battery charger To recharge AA 1,2V

Recharge batteries 2500 mA



Transmitter and Receiver Standard Equipment

The following kits are composed of Transmitter + Receiver with 1,5m prewired cable + Transmitter protective cover:

- SAGA-K1 Receiver supply voltage 12/24 Vac/dc
- SAGA-K1-220 Receiver supply voltage 48/110/220 Vac



Available in different configurations:
2-4-6-7 buttons

K1 – stop with 2 safety contacts – start + 1 alarm contact – 7 n.o. output contacts commanded by 7 single-speed buttons

SAGA-K1-TX Transmitter Unit



Single shock mount designed

SAGA-K1-RX Receiver Unit

The following kits are composed of Transmitter + Receiver with 1,5m prewired cable + Transmitter protective cover:

- SAGA-K2-8 Receiver supply voltage 12/24 Vac/dc
- SAGA-K2-8-220 Receiver supply voltage 48/110/220 Vac



Available in different configurations:
2-4-6-8 buttons

K2-8 - stop with 2 safety contacts – start + 1 alarm contact commanded by start key – 12 n.o. output contacts commanded by 6 double-speed buttons and 2 single-speed buttons

SAGA-K2-8-TX Transmitter Unit



Single shock mount designed

SAGA-K2-8-RX Receiver Unit

Optional Items



Stickers

Customized serigraph are available on demand

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