

**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 realy
- **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 Receiver supply voltage 12/24 Vac/dc
- SAGA – K2 – 220 Receiver supply voltage 48/110/220 Vac



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

K2 – stop with 2 safety contacts – start + 1 alarm contact – 12 n.o. output contacts commanded by 7 double-speed buttons

**SAGA-K2-TX Transmitter Unit**



Single shock mount designed

**SAGA-K2-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