

# BRICK

## Technical sheet



## Leader in sturdiness and long-life

It is the first keyboard with patented induction recharging system, fully isolated from dust and humidity  
A configurable console for the most demanding applications, ideal to work continuously, without worrying about downtime.

## Technical features

- Dual Band frequency: 433 MHz / 60 channels and 870 MHz / 12 channels
- Frequency: 418 MHz / 11 channels China
- Commands: on/off, potentiometric control, BCD Code, RS 422/485
- Hamming code distance > 4
- Command response time: 45 ms
- Active emergency stop command response time: 45 ms
- Command passive emergency response time: 1 s
- The stop command is rated PL d cat. 3 and SIL 2
- Range: about 100 m
- Operating and storage temperature: -20°C / +70°C

### Transmitter unit

- Modulation: GFSK Manchester
- Radiofrequency emitting power: from 1 to 10 mW
- Oscillator: PLL digital synthesizer
- Antenna: built in
- Power Supply: 3.6 Vdc
- Current demand: max. 45 mA
- Accumulators: built in 3X1.2V 1800 mA
- Up to 40 hours' autonomy (20°C)
- Battery low warning time: 30 minutes
- Waterproof Casing for Outdoor use: Protection Grade IP65
- Material: Nylon PA6 FG
- Dimensions (LxHxD): 97x44x210 mm
- Weight: 470 g (varies depending on configuration)

### Options

- LCD 1.3" display
- Lever Switch
- Proportional control



## Receiver units

- Radiofrequency receiver: Single Chip
- Antenna: Multiband internal UHF. Antenna external optional
- Command relay contact capacity: 4A (DC1/AC1) / 115V
- Stop relay contact capacity: 4A (DC1/AC1) / 115V
- No. of on/off contacts: ≤ 22 + START + STOP + CLAX + LAMP
- No. of proportional contacts: 1 BCD (optional module)
- Supply: 12-24 Vdc ±25% / 24-115 Vac ±10 %  
Optional only CL RUBYBOX: AC 230V ±10% 50-60 Hz
- Waterproof Casing for Outdoor use: Nylon PA6 FG, Protection Grade IP65
- Dimensions RXDIN-CL and CL RUBYBOX: 166X279X91 mm (LxHxD)
- Dimensions RXDIN: 158x75x90 mm (LxHxD)

### Available receiver:

RXDIN, RXDIN-CL, CL RUBYBOX



## Monitor tester

Self-powered display instrument to connect to the receiver, capable of acquiring the operating data of the radio control.

### VIEWABLE INFORMATION:

- Working frequency and operating channel
- Signal and interference level
- Number of starts and working hours
- Number of Up and Down commands
- Relay operating diagnostics
- Active controls



## Induction Charging System

Brick transmitters are equipped with the exclusive Patented wireless induction charging system.

