

FLEX 2JX

Radio remote control with joysticks

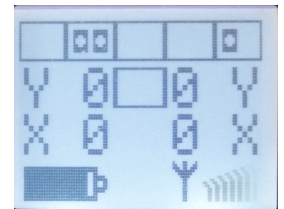


Flex 2JX is a durable and reliable radio remote control with joysticks or paddles and relay or proportional (analog or PWM) outputs.

The stepped/stepless joysticks and levers are rated for more than five million operating cycles. The defined steps provide positive feedback even wearing gloves. Both the joysticks and the levers can easily be converted to either 1~5 steps or stepless controls, with digital (relays) and analog (voltage, current and PFM) receiver outputs.

KEY FEATURES

- Safe & Reliable, communication, PL-D Category STOP function
- STOP function of category PL-D
- 62 User Programmable Channels channels in 433 MHz frequency band
- Ergonomic, lightweight, reliable and durable transmitter
- Low power consumption
- Fully Sealed Enclosures (IP66/NEMA4)
- Flex 2JX Tandem with rotary switch of operating mode
- Flex 2JX Pitch & Catch with two transmitters
- Wide range of settings
- Universal spare transmitter for multiple systems



Display after start of system

TRANSMITTER

- up to 2 five steps or proportional joysticks with movement in all directions or crosswise
- up to 4 linear paddles
- rotary main key-switch, emergency STOP button and START button at the bottom on the side of the transmitter
- 2 buttons
- additional 4 positions for buttons or two- or three-position toggle switches
- possibility to set buttons as normal or toggle contacts
- possibility to set toggle switches as OFF-ON, A-B, A-0-B, A-A+B-B, A-B-C
- easy change battery pack in a special case on the bottom of the transmitter
- display with information and operating status
- built-in tilt sensor
- Goretex vent to guard against water and vapor buildups inside the transmitter enclosure

Key switch and START button



Emergency STOP





RECEIVER

- shock mount in 4 points
- output cable on request, in standard without output cable
- external antenna
- wide range of supply voltages
 - 2 STOP relays (MAIN), STOP functions Category PL-D
 - 40 pieces of 1NO relays for joysticks, buttons and toggles, 2 relays for alarms or warnings and 2 STOP relays (MAIN)
 - possibility of proportional outputs

WORLDWIDE APPROVALS

The Flex JX systems are fully tested and certified in accordance with CE, the FCC Part 15 Rules and European Safety Standards.

- EN 301 489-1&3, EN 300 220-1&2, EN 60204-32, EN 60950, EN 60529, EN 13849-1
- STOP Function Category PL-D

SPECIFICATIONS

- Frequency Range: 433~434 MHz
- Channel spacing: 25 kHz (Standard) / 50 kHz (Tandem)
- Count of channels: 62
- Modulation: Digital FM, CRC Parity Check and Hamming Code
- Encoding / Decoding: microprocessor controlled
- Operating Range: 90 metrů max, přímá viditelnost
- Frequency Control: Synthesized PLL
- Sensitivity: -116dBm
- Antenna Impedance: 50 Ω
- Responding Time: 40mS (average)
- Transmitter Voltage: 6,0 V DC
- Enclosure Type: Nylon and Fiberglass Composite
- Enclosure Rating: IP66 / NEMA4
- Relays: 3 A @ 250 V AC
- Max. current: 250V @ 8 A
- Analog Outputs: voltage 0÷10 V DC, current 0÷20 mA or PWM
- Power supply: 12÷24 V DC, 24, 48, 115, 230 V AC
- Operational temperature: -25°C/75°C
- Transmitter dimensions: 247×145×180 mm @ 1,5 kg (include battery pack)
- Receiver dimensions: 345×240×108 mm @ 3,6 kg (without cable)



Transmitter Flex 2JX with paddles

BASIC EQUIPMENT

Flex 2JX is standard equipped with 1 transmitter, 1 receiver with shock mounts without cable, external whip antenna, shoulder strap, waist belt, spare transmitter power key, one piece of battery with charger 230 V AC, and user's manual.

For more information contact **TER CESKA s.r.o.**

