



Radio Control Systems



UK

Flex JX

Remote Control Joystick System for
Overhead Lifting Equipment & Machinery



**FLEX
JX**



FLEX JX General Features

Transceiving RF modules

The Flex JX system is capable of two-way communication between the transmitter and receiver.

LCD Readouts

All settings and system status information are displayed and executed via the LCD screen on the transmitter and in receiver.

Goretex Vent

The transmitter is equipped with special Goretex vent to guard against water/vapour build ups inside the transmitter enclosure.

Transmitter Tilt Function

The transmitter is embedded with special tilt switch to guard against accidental crane movements when the transmitter is dropped or tilted beyond a certain angle (user programmable).

Infrared Startup and Range Limiting Functions

The transmitter is standard-equipped with infrared sensors for functions such as the infrared system startup and infrared range limiting operations.

62 User Programmable Channels

Advanced synthesized RF controls with 62 built-in channels set directly via the LCD screens.

Automatic Channel Scanning Receiver

The receiver is able to search and lock onto the newly selected transmitter channel.

Over One Million Unique ID Codes (20 Bit)

Each Flex JX system has its own unique identification code, never repeats.

Advanced Controls

The Flex JX system utilizes dual advanced microprocessor controls with 32 bit CRC and Hamming Code, providing ultra fast, safe, precise and error-free encoding and decoding.

Unique I-CHIP Design

The I-CHIP functions similarly to a SIM card. Information and settings can be transferred between transmitters without the hassle of resetting the spares.

Reliable Joysticks (digital & analog)

The in-house designed joysticks are rated for more than five million operating cycles. The defined steps provide positive feedback even wearing gloves. The unique design also provides easy switching between digital and analog outputs.

Durable & Rugged

Enclosures

All enclosures are made from industrial-strength nylon and fibreglass composite material, not ABS plastic. All housings meet the IP-66/NEMA-4 requirements and are highly resistant to dirt, liquid, acid, alkali, grease and oil penetration.

Low Power Consumption

The ultra power-saving transmitter provides more than 30 hours of continuous operation between recharging.

- Ergonomic & Lightweight
- Durable & Rugged
- Safe & Reliable
- Fully Sealed Enclosures (IP-66)
- 62 User Programmable Channels
- Automatic Channel Scanning
- Unique I-CHIP Design
- Optional Infrared Functions
- LCD Readouts
- Optional Digital and Analog Outputs
- Optional Transceiving RF Modules
- In-house Designed Joysticks

Abundant Programmable Functions

The system is standard-equipped with hundreds of function settings to suit the majority of crane applications. Custom functions can also be added upon request.

Pitch & Catch Operation

This standard-equipped function allows two operators controlling from opposite ends of a crane or equipment.

Random Access Operation

This function allows multiple operators randomly controlling multiple cranes on a first come - first served basis.

Optional Features:

Infrared Startup and Range Limiting.

Worldwide Approvals

The Flex JX systems are fully tested and certified in accordance with the FCC Part-15 Rules and EU Safety Standards such as th EN 301 489-1&3, EN 300 220-1&2, EN 60204-32, EN60950, EN 60529, EN 13849-1 Category PLd, etc...

Manufacturer reserves the right to change details of design, materials and finish at any time without written notice.



General Specifications

Frequency Range:	433MHz, 458MHz, 471MHz, 850MHz...
Modulation:	Digital frequency modulation based on Manchester Code, 20bit address, 32bit CRC Parity Check and Hamming Code
Encoding / Decoding Reference:	Advanced microprocessor controlled
Approximate Operating Range:	>100 Meters / 300 Feet
Frequency Control:	Synthesized PLL
Responding Time	40~60mS
Receiver Sensitivity	-116dBm
Transmitter Voltage	6.0VDC
Digital Outputs	Relays 250VAC @ 8A
Analog Outputs	Voltage 0~10V, Current 0~20mA and PFM
Receiver Voltages	110~120/220~240/380~400/410~460VAC @ 50/60Hz 24/42/48VAC @ 50/60Hz 9~36VDC
Enclosure Type	Nylon and Fibreglass Composite
Enclosure Rating	IP-66 / NEMA-4
Operating Temperature	-25°C ~ 75°C / -13°F ~ 167°F
Transmitter Dimension	247mm (L) x 145mm (W) x 180mm (H)
Receiver Dimension	345mm (L) x 240mm (W) x 108mm (H)
Transmitter Weights	1.5kg / 3.3lb (include battery pack)
Receiver Weights	3.6kg / 8.0lb:



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