

# Transmitters with manipulators Type JM (JOYSTICKS)



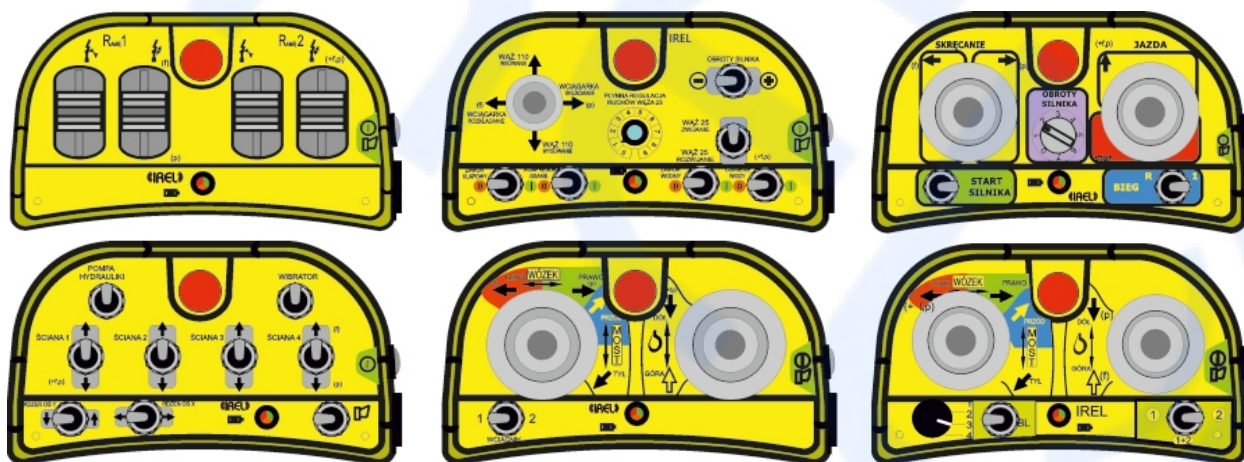
## Specifications:

- 2 manipulators - controlling up to 4 axis or up to 4 linear manipulators,
- manipulators analog or multi-step control (up to 5 steps),
- up to 4 3-step lever switches or version with lever switches in place of manipulators,
- emergency STOP button,
- START button,
- ignition switch,
- powered by 3xAA rechargeable batteries 3,6 V,
- more than 30 hours continuous worktime,
- automatic energy saving,
- battery condition indicator,
- adapted to work outside, housing IP65,
- individual serial number to prevent interference and the ability to choose one of the 8 band assigned to the transmitter.

## Optional:

- rotary switches,
- potentiometers,
- hip belt.

## Examples of JM transmitters:



Industrial radio remote controller systems **type R25**, operating on band **ISM (433,05 MHz – 434,79 MHz)**, with output power to **10 mW**.

Is compliant with essential needs of directive no:

- 1) directive **LVD2014/35/UE**,
- 2) directive **2006/42/WE**,
- 3) directive **RED 2014/53/UE**,
- 4) directive **2014/30/UE**.

In reference of standard:

- **ETSI EN 300 220 -2** Elektromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW,
- **ETSI EN 301 489 -3** Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short - Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz,
- **EN 60950 -1** Safety of information technology equipment Part 1: Primary requirements,
- **EN 60204 -32** Safety of machinery - Electrical equipment of machines Part 32: Requirements for hoisting machines,
- **EN 62061** - Safety of machinery: Functional safety of electrical, electronic and programmable electronic control systems – level of STOP relay – SIL3.