



*the photo of the transmitter is illustrative, the number of buttons and pictograms depend on the customer's needs

Specifications BBM receiver:

- 3 to 8 relays (two relays for controlling main contactor),
- powered by 230 V AC, 24 V AC or option 24 V DC,
- mutual opposite directions lock (software and hardware),
- automatic radio channel searching,
- IP65 housing,
- standard industrial connector with 10 contacts for socket with 2 buckles,
- operates with PM and PD type transmitter,
- optional sound signal.

Specifications PM transmitter:

- 2 to 6 one-step or two-step pushbuttons,
- emergency STOP button,
- START button,
- ignition switch,
- powered by 2xAA rechargeable batteries (2,4 V), (2 sets of batteries and charger included),
- more than 30 hours continuous worktime,
- automatic energy saving,
- battery condition indicator,
- strap/string,
- 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.

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** Elektromagnetic 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.

IREL ZAKŁAD ELEKTRONICZNY mgr inż. JÓZEF SALA w spadku

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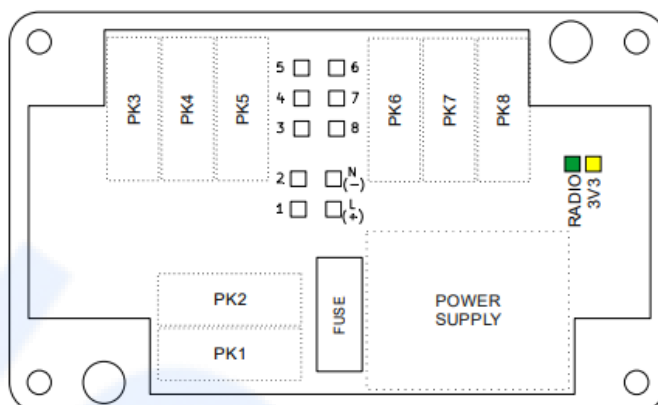
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Sample diagram BBM receiver:

R25-BBM

BBM1



K1 and K2 are contacts with glue control and they are used to attach main contactor or passing by these voltage contacts on other relays, if the main contactor it is not used.

