Push-button radio remote control JUMP

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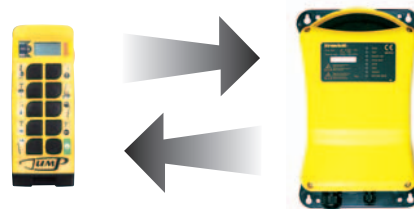# Push-button radio remote control Type JUMP

Main features

JUMP radio remote control can be used in several different application fields (f.i. building cranes, hoists, operating machines, etc.). JUMP is a highly safe radio remote control, it presents emergency button and, by reception, two stop and circuit relays with double microprocessor.

The ergonomic and sturdy (IP65) transmitter is provided with removable battery packs, which can be easily inserted and removed. Moreover, it is equipped by a comfortable, stuffed, double-fastening belt.

You can change frequency and automatic stop time through the transmitter control buttons, and turn the self-switching-off option on or off.

The receiver is available in two versions: outdoor with 12 or 20 relays, in a IP65 plastic container, easy to be installed and with a possible external antenna; or even indoor for control boards, with 20 relays, not bulky and which can be installed on DIN rails and provided with an external antenna.

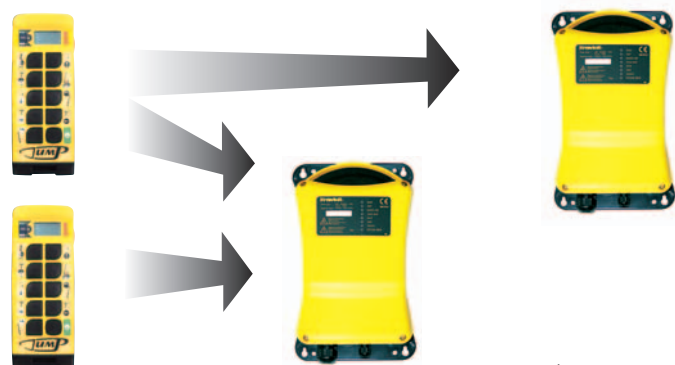JUMP is available with customized sticky labels and with advanced functions on request.
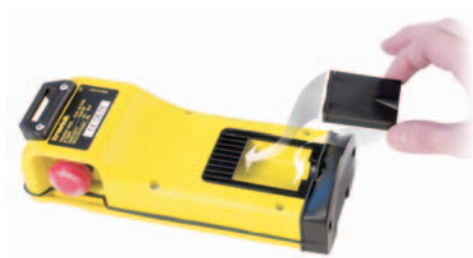
Data - feed-back function

Take - release function

Master - slave function

Easily removable battery packs

Display version

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Versions

Transmitter

It is available in 3 different models in order to satisfy every possible application fields:

- 7 push-buttons (6 commands + start/stop)
- 10 push-buttons (9 commands + start/stop)
- 14 push-buttons (13 commands + start/stop)

Battery charger

Practical and ergonomic, it is available in 2 different types:

- in alternating current (220 V a.c.)
- in direct current (12 V d.c.)

Receiver

Sturdy and reliable, it is available in 2 possible versions:

- Outdoor receiver: with 12 or 20 relays, it is contained into a IP65 plastic case and it is easily installable.
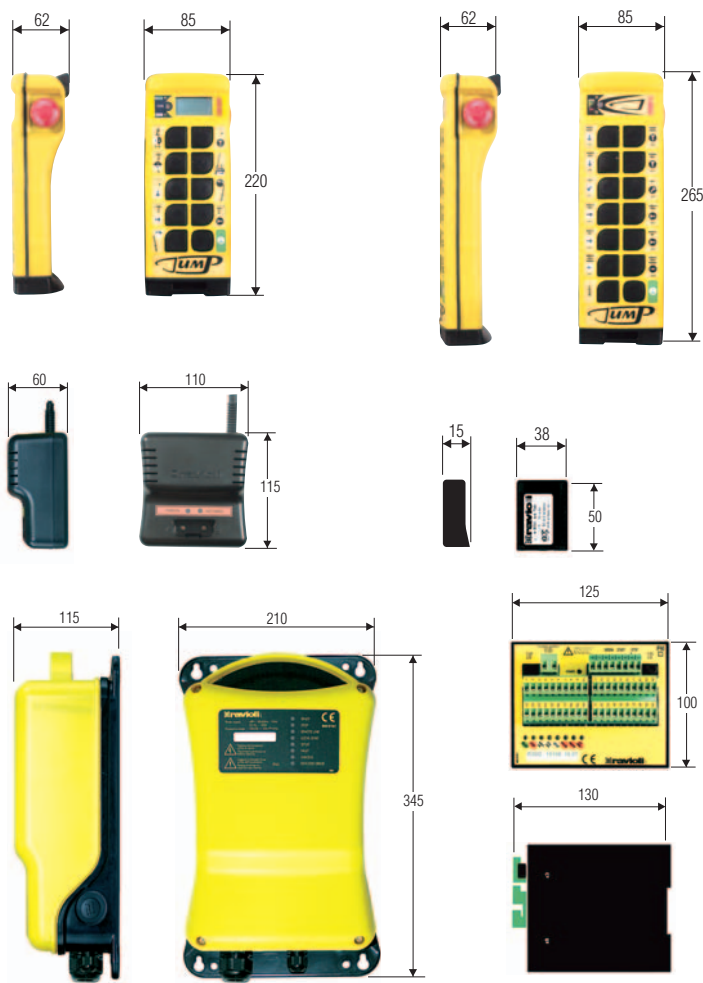- For control board: with 20 relays, it can be installed on DIN rails.

Dimensions

Main technical features

Operating frequency	433,050 ÷ 434,790 MHz
Number of radio channels	33
Distance of Hamming	6
Error check	16-bit CRC code
Codes of address	2^{48}
Maximum number of commands	6-9-13 + start/stop
Command response time	65 ms
Active emergency response time	65 ms
Automatic emergency response time	1,6 sec. (adjustable 0,3÷1,8 sec.)
Operating range	80 m
Working temperature range	-10°C ÷ +55°C

Norms and Directives

CEPT/ERC/REC 70-03
ETSI 300 220-1, 300 220-2 and 300 220-3
ETSI 301 489-1 and 301 489-3
EN 55022
EN 60529
EN 60204-32
2006/95/CE Low Voltage
2004/108/CE EMC Compatibility
2006/42/CE Machines
99/05/CE R & TTE
Mark $C\!E$

Transmitter

R.F. Power	≤ 10 mW ERP
Antenna	internal
Power supply	3,6 Vdc nom. (3,1 V min. ÷ 5 V max.)
Power consumption	65mA max.
Accumulators	Battery pack Ni-Mh
Continuous operating autonomy	≥ 10 ore
Case	Nylon-glass
Protection degree	IP65
Weight	7-9 buttons: 470 gr.
	14 buttons: 530 gr.

Outdoor and indoor receiver

Sensitivity		-110 dBm
Antenna		internal/external
Power supply		
	Outdoor	48 Vac 12/24 Vdc
	Indoor	24 Vac 12/24 Vdc
Command relay load		3A max - 48 Vac
Stop relay load		4A max - 48 Vac
Case		ABS
Protection degree		
	Outdoor	IP65
	Indoor	IP20

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