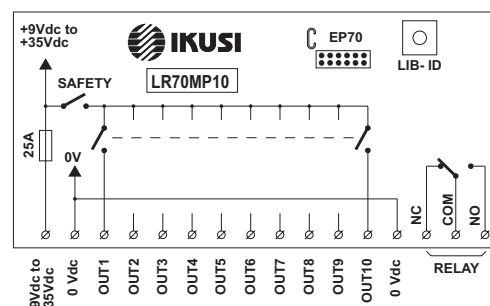


Radio remote
control systems for
mobile machinery

MP10G



>>> R70MP10 Receiver



>>> Block diagram for receiver output

TM70 M



CHARACTERISTICS

Radio remote control systems for mobile machinery or self-propelled systems. 12 and 24v DC power supply compatibility with 10 PWM outputs corresponding to 10 different functions.

- New tactile and high sensitivity keyboard.
- Slim dimensions and reduced weight.

- Automatic working channel selection.
- Auto ID teaching function and ID releasing function from the current transmitter or from a new transmitter.
- Remotely programmable receiver's outputs using the programmer module (radio remote programmer module).

- EP70 EEPROM or detachable SIM module compatibility (TM70 range), to backup or to restore system's configurations.

TM70 M

MODELS	IKUSI's PART NUMBER
70ME801 TM70MP10-870-G	3302650
70ME902 TM70MP10-915-G	3302652
70ME401 TM70MP10-433-G	3302657
TRANSMITTER CHARACTERISTICS	TECHNICAL SPECIFICATIONS
Available frequency	
PART NUMBERS 3302650 / 3302652 / 3302657	870MHz / 915MHz / 433MHz
RF Power (ERP)	< 1mW 915MHz / < 5mW 870MHz / < 10mW 433MHz
Modulation type	FSK 4800 bps and 7.200 bps
Protection	IP65 / NEMA-4
Channel bandwidth	25KHz
Number of IDs	64K per band
Response time	< 150ms
Working channel selection	Automatic at transmitters' start-up –by Eeprom setup-
Antenna	Printed circuit board integrated (standard)
Weight	180gr (without batteries)
Dimensions	Length = 160mm / Wide = 75mm / Height = 45mm
Non rechargeable (Alkaline) and rechargeable (NiMH) batteries	Alkaline type AA 1,5V 2600mAh (-10°C / +50°C) (14°F / 122°F) Commercial Range
	NiMH type AA 1,2V 1200mAh (-20°C / +70°C) (-4°F / 158°F) Industrial Range
Battery life	>12h (100% duty cycle) Alkaline 2600mAh
	>6h (100% duty cycle) NiMH 1200mAh
EEPROM	Internal / External EP70 -optional-
Operating temperature range	-20°C / +70°C (-4°F / 158°F)
Signalling	1 bicoloured LED (RUN labelled)
Acoustic signalling	Internal buzzer
Number of functions	10 functions max. (1 step) + ON/OFF function
RECEIVER CHARACTERISTICS	TECHNICAL SPECIFICATIONS
Available frequency	
PART NUMBERS 3302650 / 3302652 / 3302657	870MHz / 915MHz / 433MHz
Power supply	9-35V DC
Number of outputs	10 MOSFET (PWM)
Protection	IP65 / NEMA-4
Antenna	Printed circuit board integrated (standard)
Working channel selection	Automatic at transmitters' start-up
Weight	430 gr.
Dimensions	Length = 151mm / Wide = 129mm (160mm with PG) / Height = 61mm
EEPROM	Internal / External EP70 –extractable-
Status signalling	MultiLED: 7 LED visible externally
Connexions	Plug-In terminals: inputs/outputs with PG11 / M16 and PG16 / M20 cable glands
Maximum current per output	5A
Maximum current output (total)	15A
PWM outputs frequency range	30 - 300Hz
Output accuracy	16 bits (power supply range)
Electrical input protection	Fuse protected
Electrical output protections	Polarity inversion / Short-circuit
Operating temperature	-20°C / +70°C (-4°F / 158°F)
Disconnecting security	A MOSFET transistor connected with the positive value of the power supply provides security functions.