

TM70 3&4

Radio Remote Control Systems with console box transmitters for hoisting machinery and mobile applications with On/Off and/or analogue control



CHARACTERISTICS

- Available bands: 433/870/915/419/447/918 MHz
- NiMH rechargeable batteries
- Fast (< 2 hours) and intelligent CB70 battery charger
- Main mechanisms:
 - Two axes multi step or stepless joysticks configurations: opened and crossed.
- Auxiliary mechanisms:
 - 1-0-1 position selector switches with maintained position or forced return to 0 position
 - 0-1 position selector switches with maintained position or forced return to 0 position
- Easy and fast working frequency channel change by software and/or automatic working channel selection -LBT: Listen Before Talking-
- CAN bus physical layer compatible receiver with CANopen communication protocol; other available communication protocols, IQAN, SAE J1939, Profibus DP and RS-232 / RS-485 (optional)
- LCD70 display option for feedback information. Warning and alarm signals management with feedback option, using the graphic display and/or the bicoloured leds. Feedback of digital and/or analogue signals to the machine/user's interface.
- LA70 range limiter (optional). Specified working area limit range under defined working conditions.



>>> Transmitter



>>> CB70 monoblock battery charger



>>> CB70 battery charger

ESPECIFICACIONES TÉCNICAS:

MODEL	IKUSI REFERENCE	ISM BAND	ERP mW
TM70/3.13	3302300	870 MHz	5
TM70/3.21	3302310	870 MHz	5
TM70/3.29	3302380	870 MHz	5
TM70/4.13	3302320	870 MHz	5
TM70/4.21	3302330	870 MHz	5
TM70/4.29	3302390	870 MHz	5
FREQUENCY	IKUSI REFERENCE	MHz	ERP mW
Standard B1	XXXXXXXX-870	869,700-870,0000	5
Option B2	XXXXXXXX-433	433,050-434,040	10
Option B3	XXXXXXXX-433	434,040-434,790	1
Option B4	XXXXXXXX-915	914,150-915,875	5
Option B5	XXXXXXXX-419	418,950-419,250	10
Option B6	XXXXXXXX-447	447,600-447,975	5
Option B7	XXXXXXXX-918	918,000-919,725	5
TRANSMITTER TECHNICAL SPECIFICATIONS			
Transmitter type	T70/3		T70/4
Number of joysticks (max.)	2		3
Weight (with battery)	1650 g		1950 g
IP / NEMA ingress protection	IP65 / NEMA-4		
Battery life	16 h (50% duty cycle)		
Operating temperature range	-20°C +70°C		
RECEIVER TECHNICAL SPECIFICATIONS			
Type of receiver	R70/13	R70/21	R70/29
Power supply (AC) / LR70 (AC)	48,115,230 Vac ± 10%; 50/60Hz		
Power supply (DC) / LR70 (DC)	12 o 24Vdc		
Dimensions	285x200x110 mm		
Operating temperatura range	-20°C +70°C		
IP / NEMA ingress protection	IP65 / NEMA-4		
Consumption	12VA		28VA
Number of output commands –relays-	13	21	29
Auxiliary relays	START + STOP + SAFETY (KSAFETY)		
STOP function	Category 3 according to EN-954-1 or EN 13849 safety standards		
OUTPUT relays characteristics	230 Vac / 8A ACI		
STOP relays characteristics	230 Vac / 6A ACI		
BATTERY CHARGER TECHNICAL SPECIFICATIONS			
Power supply (AC)	115, 230 Vac ± 10%; 50/60Hz (depending on the model)		
Power supply (DC)	10,5 - 35 Vdc		
Charging mode	Fast and intelligent (charging mode adapted to battery model)		
BATTERY TECHNICAL SPECIFICATIONS			
Model	BT20K		
Type	NiMH		
Capacity	2000 mAh, 4,8 V		
Charging temperature range	0 to 40°C		



HEADQUARTERS - SPAIN

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