

TM70 1&2

Radio Remote Control Systems
with Handheld pushbutton Transmitters



MAIN CHARACTERISTICS:

- High sensitivity two step push buttons
- Available ISM bands:
433/870/915/419/447/918 MHz
- External and extractable SIM module (extractable EP70) to configure easily a spare transmitter providing easy and fast maintenance.
- NiMH rechargeable batteries
- Fast (< 2 hours) and intelligent CB70 battery charger
- Position selector switches with maintained position or forced return to 0 position (optional)
- Easy working frequency channel change and management 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
- 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.



>>> Receiver



>>> CB70 battery charger



>>> CB70 monoblock battery charger

TECHNICAL SPECIFICATIONS:

MODEL	IKUSI REFERENCE	ISM BAND	ERP mW
TM70/1.13	3302260	870 MHz	5
TM70/1.21	3302270	870 MHz	5
TM70/2.13	3302280	870 MHz	5
TM70/2.21	3302290	870 MHz	5
FREQUENCY	IKUSI REFERENCE	ISM BAND	ERP mW
Standard B1	XXXXXXXX	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			
Type of transmitter	T70/1	T70/2	
IP / NEMA ingress protection	IP65 / NEMA-4	IP65 / NEMA-4	
Battery life	10h (50% duty cycle)	10h (50% duty cycle)	
Operating temperature range	-20°C +70°C	-20°C +70°C	
Number of pushbuttons (max.)	6	10	
Weight (with battery)	460 g	550 g	
RECEIVER TECHNICAL SPECIFICATIONS			
Type of receiver	R70/13	R70/21	R70/29
Power supply (AC)	48,115,230 Vac ± 10%; 50/60Hz		
Power supply (DC)	12 or 24Vdc		
Dimensions	285x200x110 mm		
Operating temperature range	-20°C +70°C		
IP / NEMA ingress protection	IP65 / NEMA-4		
Consumption	12VA		28VA
Number of output commands	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 (< 2 hours) and intelligent (charging mode adapted to the current battery charge and model)		
BATTERY TECHNICAL SPECIFICATIONS			
Model	BT06K		
Type	NiMH		
Capacity	750 mAh, 4,8 V		
Charging temperature range	0 to 40°C		



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