

i-KONTROL

Console box transmitters for hoisting machinery applications, mobile applications with On/Off and/or proportional control



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CHARACTERISTICS

- Available bands:
433/870/915/419/865/918MHz
- NiMH rechargeable batteries
- Fast (< 2 hours) and intelligent CB70 battery charger
- New LE70IK emitter logic board
- Fully compatible with TM70 remote control range products
- Main mechanisms:
 - Two axes multi step or stepless MO70 joysticks compatible
 - Single axis resistive analogue joysticks
 - Two axis resistive analogue joysticks
- 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
 - 6, 16 and 24 positions binary and rotary switches
 - Potentiometers
- Easy and fast working frequency channel change by software and/or automatic working channel selection
- 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)
- TFT colour 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.



TECHNICAL SPECIFICATIONS:

TRANSMITTER TECHNICAL SPECIFICATIONS	
IP / NEMA ingress protection	IP65 / NEMA-4
Type of display	TFT colour
EEPROM	External and extractable EP70 / Fast maintenance
Emitter logic	LE70IK (new emitter logic)
Anti-condensation system	Goretex blade or similar
Material	Polyamide (high impact resistance)
Cable connection	M12 connector
Battery life	16 h (50% duty cycle)
Confort belt anchorages	Belt hooks or integrated
Operating temperature range	-20°C +70°C
Maximum number of joysticks	2 (MO70)
Maximum number of single axis paddle	6 (MA70)
Maximum number of two axes electrical joystick	3 (EUCHNER)
Maximum number of auxiliary side pushbuttons	6 (3+3)
Weight (battery included)	1780g
RECEIVER TECHNICAL SPECIFICATIONS	
Type of receiver	R70/XX
Power supply (AC) / LR70 (AC)	48,115,230 Vac ± 10%; 50/60Hz
Power supply (DC) / LR70 (DC)	12 o 24Vdc
Dimensions	285x200x110 mm
Operating temperature range	-20°C +70°C
IP / NEMA ingress protection	IP65 / NEMA-4
Auxiliary relays	START + STOP(2) + SECURITY (KSAFETY)
STOP function	Category 3 according to EN-954-1 or EN 13849 safety standards
OUTPUT relay characteristics	230 Vac / 8A ACI
STOP relay 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 battery model)
BATTERY TECHNICAL SPECIFICATIONS	
Model	BT20K
Type	NiMH
Capacity	2000 mAh, 4,8 V
Charging temperature range	0 a 40°C