



170 Thorn Hill Rd.
Warrendale PA 15086
Tel: 724-741-9000
Fax: 724-741-9001
www.cervisinc.com

i-KONTROL

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



NEW DESIGN! With TFT-Color Display and Full Duplex Communications

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 \pm 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 \pm 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 |

