ct24

CATTRON CONTROL®

Compact radio remote control receiver for industrial applications. Ideally suited for small lifting equipment, machines or cranes with split-receiver operation for hoist and bridge.

- 6 command relays + 2 safety relays (STOP)
- Additional output for an optional internal buzzer
- High safety-class through redundant hardware and software architecture
- Approvals and frequencies for worldwide deployment
- Compatible with several transmitter types and models
- Standard and application-specific output logic
- Rugged, industrial design housing with IP65 protection class
- Light and small for direct attachment to the machine interface

CATTRON theimeg™

Industrial Radio Remote Controls

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CATTRON CONTROL

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- System parameter and configuration setting via RFID transponder key (TransKey)
- Cable gland and pre-wired connector available
- Protected internal Antenna
- Industrial wide-range AC power supply and several DC power supply variants available
- Standard and application-specific output logic

TECHNICAL DATA AND SPECIFICATIONS

RF	
Frequency ranges/power	335 MHz
	418 MHz
	433 MHz
	447 MHz
	869 MHz
	915 MHz
Transmission speed	4.8 to 20 kbit/s
Modulation	FM
RF channel spacing	12.5 kHz; 25 kHz and others
Receiver sensitivity	-107 dBm
Antenna	internal, optional external

Electronics	
Digital circuitry	Dual-processor technology
System addresses	24 bits = 16 million addresses
TransKey	System address, RF channel and configuration
Hamming distance	d = 6 (Telegram verification)
Outputs	6 relays (4 NO + 2 CO)
	1 x 12 V DC for internal buzzer
	Relays up to 6A / 250 V AC
STOP command	2 forced-guided safety relays
Power supply	48, 115, 230 V AC (nominal voltage)
	12/24 V DC (optional)
Power consumption	10 VA
Operating temperature	-20° to +60° C
Storage temperature	-40° to +70° C

Standards	
Safety	EN 60204-1/-32
	EN ISO 13557
	EN 954-1 Category 3 for stop circuit
	EN ISO 13849-1 Performance Level d
Shock	EN 60068-2-27
Vibration	EN 60068-2-6
Protection class	IP 65

Mechanical Data	
Dimensions / weight	121 x 123 x 80 mm, 0.80 kg
Material	SB plastic
Colour	grey
Interface connection	1 cable gland (standard)
	Han10 (optional)

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