

ct24

CATTRON CONTROL

A Family of compact radio remote control receivers for industrial crane and machine control applications.

- Ranges from 9 to 32 command relays + 2 safety relays (STOP)
- 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 enclosure with IP65 protection class



CATTRON
theimeg[™]

Industrial Radio Remote Controls

- System parameter and configuration setting via RFID transponder key (TransKey)
- Features removable terminal connections for ease of installation and maintenance
- Industrial wide-range AC power supply and several DC power supply variants available
- Protected internal Antenna
- Multi-LED indication for status and diagnostics

TECHNICAL DATA AND SPECIFICATIONS

RF	
Frequency ranges	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 in Master/Slave architecture
System addresses	24 bits = 16 million addresses
TransKey	System parameters and output configuration setting
Hamming distance	d = 6 (Telegram verification)
Outputs	
CT24-RX/09	9 command relays (7 NO + 2 CO)
CT24-RX/12	12 command relays (12 NO)
CT24-RX/17	17 command relays (15 NO + 2 CO)
CT24-RX/32	32 command relays (28 NO + 4 CO) Relays up to 6A / 250 V AC
STOP command	2 forced-guided safety relays

Power supply	42, 48, 115, 230 V AC (nominal Voltage) 12/24 V DC (optional)
Power consumption	15 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 13849-1 Performance Level d
Shock	EN 60068-2-27
Vibration	EN 60068-2-6
Protection class	IP 65

Mechanical Data

Dimensions / weight	
CT24-RX/09	150 x 170 x 105 mm, 1.05 kg
CT24-RX/12/17	235 x 170 x 105 mm, 1.50 kg
CT24-RX/32	310 x 170 x 105 mm, 2.50 kg
Material	SB plastic
Colour	grey
Interface connection	2 cable glands (standard) Han24, Han32, Han64 (optional)

Miscellaneous

Operation indication	5 Multi-LEDs for status and diagnostics
Accessories	Mounting hardware

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