

# 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*<sup>TM</sup>

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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