



A FAMILY OF COMPACT RADIO REMOTE CONTROL RECEIVERS FOR INDUSTRIAL CRANE AND MACHINE CONTROL APPLICATIONS

The CT24 series are machine control units that are part of the CattronControl[™] family of products. There are three CT24 versions available, the CT24-9 has 9 function plus 2 safety relays. The CT24-17 has 17 function plus 2 safety relays and the CT24-32 has 32 function plus 2 safety relays; this enables the most economical choice to be made for a wide range of machine and crane applications.

The CT24 series feature an easy-to-change RFID Transkey[™], for simple unit configuration, this allows facilities to quickly deploy spare units by simply swapping the RFID Transkey between the operating unit and a spare, downtime and spares holding are minimized.

The CT24 series is also available in pre-engineered standards or fully customized to suit almost any crane or machine requiring a relay control interface. The CT24 series can be used with any of the diverse range of operator control units from the CattronControl[™] range.

FEATURES

- Options from 9 to 32 command relays + 2 safety relays (STOP)
- High safety class through redundant hardware and safety critical architecture
- Approvals and frequencies for worldwide deployment
- Compatible with all CattronControl[™] operator control units
- Rugged and compact IP65 protection class industrial enclosure
- System configuration via secure wireless (RFID) Transkey for simplification of spares holding.
- Features removable terminal connections for ease of installation and maintenance
- Industrial wide-range AC power supply and several DC power supply variants available
- Internal and external antenna options available
- Multi-LED indication for status and diagnostics
- Tandem and multi-transmitter and/or receiver operation
- Approvals and frequencies for worldwide deployment
- CE compliant

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TECHNICAL DATA AND SPECIFICATIONS

ELECTRONIC DATA

Commands	9, 17 or 32 relays + 2 safety stop relays
Digital circuitry	Dual-processor technology
System addresses	24 bits = 16 million addresses
Hamming distance	d=6 (Telegram verification)
Supply voltage	42, 48, 115, 230 V AC (nominal voltage) 12/24 V DC (optional)
Power consumption	15 VA

OPERATION AND INDICATION

Outputs	
CT24-09	9 command relays (7 no + 2 co) + 2 stop
CT24-17	17 command relays (15 no + 2 co) + 2 stop
CT 24-32	32 command relays (28 no + 4 co) + 2 stop
Relays	6A 250V AC
Transkey™	System configuration, address and RF channel setting
LED	5 multi-function LEDs

STANDARDS

Safety	EN 13849-1 Category 3 PL d EN 60204-1 EN 60204-32 CE Compliant
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MECHANICAL DATA

Dimensions/weight	
CT24-09	150 x 170 x 105 mm 1.05 kg (5.9 x 6.7 x 4.2 inches) (2.3 lbs)
CT24-17	235 x 170 x 105 mm 1.50 kg (9.3 x 6.7 x 4.3 inches) (3.3 lbs)
CT 24-32	310 x 170 x 105 mm 2.5 kg (12.2 x 6.7 x 4.2 inches) (5.5 lbs)
Housing material	SB plastic, colour gray
Housing protection rating	IP65
Operating temperature	-20° to +60° C (-4° to +140° F)
Storage temperature	-40° to +70° C (-4° to +155° F)
Vibration and shock	Vibration/impact and shock tested

RF

Frequency range	335 MHz 406-419 MHz 433-434 MHz 447-473 MHz 869 MHz 902-927 MHz other frequencies on request
Transmission speed	4.8 to 20 kbit/s
Receive sensitivity	-107 dBm
Modulation	FM
RF channel spacing	12.5 kHz; 25 kHz and others
Antenna	Internal or external

ACCESSORIES

Interface connection	2 cable glands (standard) Han24, Han32, Han64 (optional)
Antenna	Optional external antenna and line kit

WACS-DS-CT24_102314

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