

MMCU4

CATRON CONTROL®

Modular radio remote control receiver with I/O plug-in cards for control signals and feed-back data. Highly configurable for industrial crane and machine control systems.



- Up to 4 I/O cards for digital, analogue or industrial fieldbus signals
- Various interface options for feed-back data
- Safety relays for commands available
- Rugged, industrial design in a metal enclosure
- High safety-class through redundant hardware and software architecture
- Approvals and frequencies for worldwide deployment
- Application-specific solutions through hardware and software configuration
- Compatible with several transmitter types and models



CATRON
theimeg™

Industrial Radio Remote Controls

TECHNICAL DATA AND SPECIFICATIONS

RF

Frequency range/power	335 MHz (< 1 mW ERP)
	418 MHz (<10 mW ERP)
	433 MHz (<10 mW ERP)
	447 MHz (<10 mW ERP)
	869 MHz (<5 mW ERP)
	915 MHz (FCC part 15)
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	External

Electronics

Digital circuitry	Dual-processor technology
System address	24 bits = 16 million addresses
TransKey	System address and RF channel
Hamming distance	d = 6 (Telegram verification)
Interface cards	4 slots, combinations possible
Output cards	
Standard relay output	16 relays per card, max. 6 A/250 V AC
Safety relay output	8 standard + 8 safety relays (forced-guided)
Optocoupler output	16 per card, up to 24 V AC
Analogue output	4 per card, 0–10 V DC or 4–20 mA
Fieldbus output	Profibus-DP, DeviceNet, CANopen
Ethernet output	EtherNet/IP, Modbus-TCP, Profinet IO
Feed back cards	
Optocoupler input	16 per card, 12–24 V DC
Analogueue input	4 per card, 0–10 V DC or 4–20 mA

STOP command	2 forced-guided safety relays
Power supply	115, 230 V AC (nominal voltage) 12/24 V DC (optional)
Power consumption	60 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

Weight	Max. 6.2 kg*
Dimensions	320 x 255 x 185 mm
Housing	Metal with hinged door
Standard color	Grey
Interface connection	2 cable glands (standard) Han32, Han64, others on request

Miscellaneous

Operation indication	8 Multi LED for status and error indication
Accessories	External Antenna

* Varies dependent on quantity and type of interface cards

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