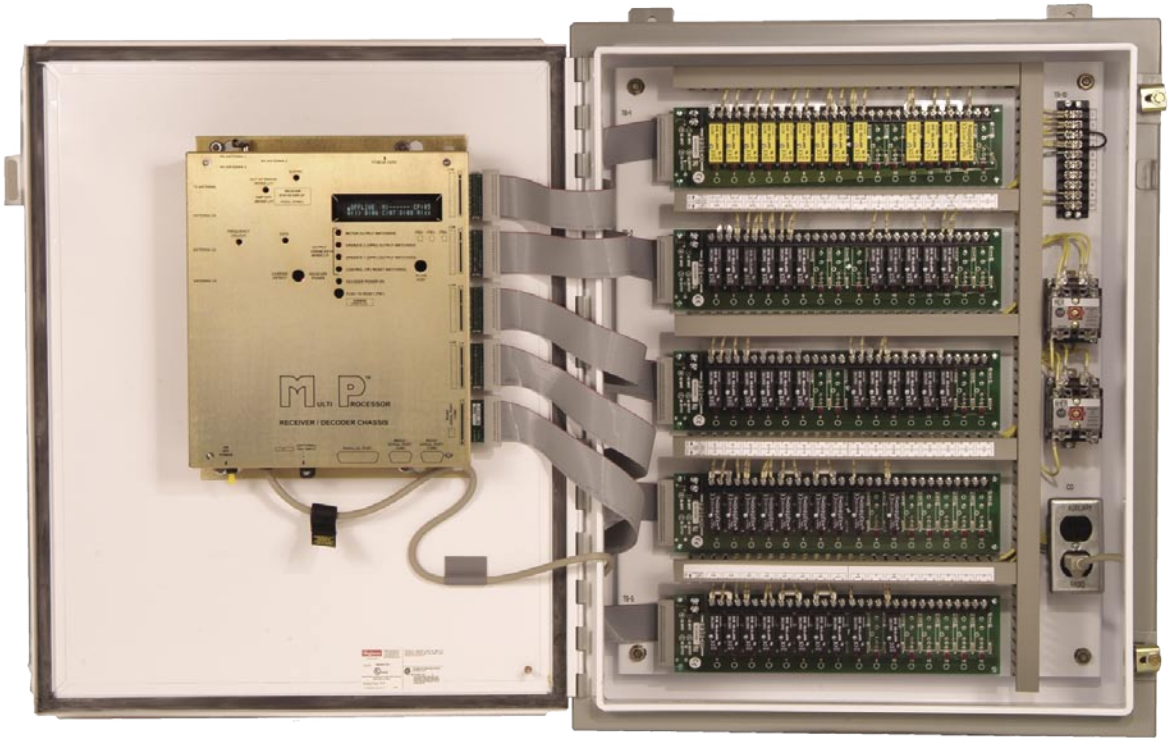
CATTRON™ GROUP INTERNATIONAL

INDUSTRIAL RADIO REMOTE CONTROL



MP96

Multi-Processor

Remote Control System

The MP96, with up to 48 inputs and 96 outputs represents the top of the Cattron line offering the safety and dependability required for operating machinery in harsh, industrial environments. The "MP" stands for "Multi-Processor" which means more power and configuration possibilities.

- Compatible with previous Cattron® systems
- Solid State, Proportional/Analog, and Electromechanical interfacing capabilities
- Up to 48 inputs and 96 outputs allow for complete customization
- Multiple operators may use a single frequency (RF version only)
- Long " ride through" time during power supply interruptions
- Can be used by simultaneous and supervisory operators
- Responds rapidly to operator commands
- Optional external event monitoring of machine functions
- Extensive data logging of remote machinery activity

CATTRON™ theimeg™ REMTRON vectran™

Safety Features

- Verification of output commands through external monitoring
- Two stage Automatic Safety Override (ASO) disables only the faulty portion of the machine control
- High message data security with data error checking (BCH)
- Simultaneous and independent data signal processing of all incoming commands by two separate microprocessors
- Two separate outputs for mainline control
- Extensive EMI/RFI protection
- Can maintain safe control through brownouts and surges
- Complete diagnostics on power-up
- Individually fused and isolated outputs
- Separated mainline controls for each motor group
- Allows for low voltage pendant operation in high voltage situations
- Multiple watchdog timers ensure no motion is carried out without command (total of five: two hardware, three software for CPU, Mainline and Motor functions)

Functional Features

- Easy to read two-line backlit system status display showing normal and fault conditions
- Customizable data-log
- Data collection via remote control or externally monitored system inputs for preventative maintenance
- Accessible components allow for ease of maintenance
- Can be used with a variety of existing interfaced devices and a wide variety of AC/DC powered equipment
- Suitable for hydraulic, VFD, pneumatic, electrical, automated and semi-automated control system applications
- Can be configured with a variety of controller (transmitter) types

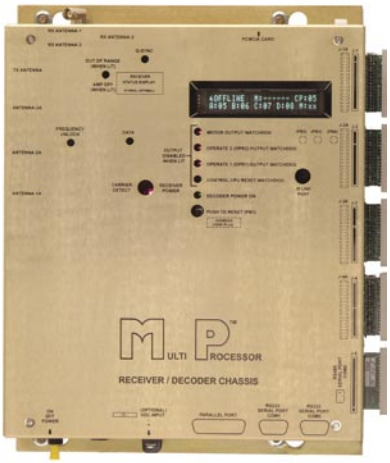
Options

- Pitch&Catch, Range Limiting, Close Start™, TALKBACK®
- PC compatible diagnostic software
- Stepless output for smoother operation
- Customized installation, troubleshooting, and maintenance manual
- "Snapshot" datalog

Specifications

Outputs: 1-96 independent and/or simultaneous, plus Mainline On/Off
Enclosure: NEMA 12 (IP65) standard dust, oil & water tight; NEMA 4 and 4X (IP66) optional
Environmental: Approx. -4°F to +140°F (-20°C to +60°C); RH 0 to 95%, non condensing; special temperature units available
Sub Chassis: Receiver/decoder and power supply each have their own magnetic compliant (EMC) shielded compartment; entire sub chassis mounts on inside door of NEMA 12 (IP65) enclosure; no relays in sub chassis
Control Voltage Range: 12-250 VAC/VDC @ 5 amps (higher voltages with derated current); Stepless: 0-80V BiPolar Maximum
Power Requirements: 32/48/110/220 VAC 50-60 Hz or 13.7 VDC +/- 10% @ less than 1 amp; Optional 12 to 250 VDC power supplies available
Receiver Frequency: (Crystal & Synthesized): UHF/VHF
Microcomputer Speed: 12 MHz
Memory Size: Two E Proms each with 64K bytes memory (programmed by Cattron)
Datalog Memory Size: 64K bytes
Optional Diagnostic Port: RS232C (DB25 Connector) or RS422 (MIA Connector)

*Specifications subject to change or revision without notice. Check with factory for verification.



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