



CATTRON GROUP INTERNATIONAL™  
HAS ASSEMBLED THE MOST  
COMPREHENSIVE COLLECTION OF  
RADIO REMOTE CONTROL BRANDS  
FOR **CRANES, LOCOMOTIVES,**  
**MATERIAL HANDLING EQUIPMENT,**  
**MINING MACHINERY, MOBILE**  
**EQUIPMENT, SHIP LOADERS,**  
**AGRICULTURAL MACHINERY, AND**  
VIRTUALLY ANY EQUIPMENT WHERE  
THE OPERATOR CAN BE MOVED TO A  
SAFER, MORE EFFICIENT LOCATION

## REMOTE CONTROL SOLUTIONS FOR INDUSTRIAL APPLICATIONS





# CATTRON®

GROUP INTERNATIONAL

Catatron Group International™ is a leading manufacturer of remote control products and aftermarket services for industrial, mining, commercial, mobile, railroad and other industrial markets, globally. In addition to its North American operations with two locations in the USA (Sharpsville, PA & Escondido, CA) and Canada (Georgetown, ON & Montreal, QC), Catatron has operations in Europe (Germany & UK), South Africa (Johannesburg), and Brazil (Sao Paulo); supported by an extensive sales and distribution network throughout North and South America, Asia, Africa and Australia.

## TESTIMONIALS

“...Your radios kept on working in our harsh environments. Thank you for a quality product..”

“You have succeeded in providing us with the best possible answer to our problem.”

“You have provided us a safe solution for our manufacturing plant.”

Through a process of organic growth and acquisitions, the Catatron Group has assembled the most comprehensive collection of radio remote control brands. Anywhere the operator of a machine can be moved to a safer, more efficient location, Portable Radio Remote Controls have helped prevent serious injury while increasing efficiency and productivity. The Catatron Group is leading the way with advanced technological innovation, experience and quality backed by an unparalleled worldwide service organization.

Most industrial applications are built around one of our core brands, Catatron®, Remtron® or Theimeg™.

The Catatron® brand of engineered products are designed primarily for electric overhead cranes, locomotives, material handling equipment, mining machinery, ship loaders, and agricultural machinery.

The Remtron® brand of industrial remote controls is used in both material handling (electric overhead cranes) and commercial industries. In addition to industrial radio remote controls for overhead cranes, the Remtron® brand products are also used for mobile equipment, commercial and construction applications such as concrete pumps, conveyors, winches, booms and others.

The Catatron Group and global affiliates service a customer base of approximately 6,000 companies with over 125,000 installed systems; supported by a network of partners (suppliers, sales, distribution and service representatives) in 34 countries. The Catatron Group has provided remote control solutions to industry since 1946.



“Despite being crushed by a forklift, our transmitter kept right on working!”



Photo courtesy of Royal Morris Water Treatment

CRANE CONTROLS

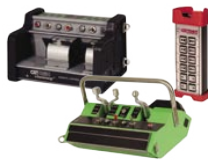
Standard Crane & Hoist Systems



**The PATRIOT®**  
 Economical, pre-engineered systems .....4-5



**Remtron® Brand OCU (Transmitters)**  
 Customizable to your application ..... 6



**Cattron® Brand OCU (Transmitters)**  
 Customizable to your application ..... 7



**Cattron®/Remtron® Brand MCU (Receivers)**  
 Customizable to your application ..... 8

GENERAL INDUSTRIAL CONTROLS

**OCU (Transmitters)/MCU (Receivers)**

Great for Conveyors, Pumps, Gates, SafeTStop ..... 9



LOCOMOTIVE CONTROLS

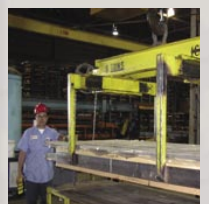


MP96RCL, QC, Accuspeed, and Digital Event Recorder ..... 10

OPTIONS AND ACCESSORIES



Vest Harness, Safe-T-Range®, Wireless Control Systems  
 Programmer, Leather Holsters ..... 11



# OVERHEAD BRIDGE CRA

## PATRIOT®

The most affordable, **high quality** remote crane **controls** available from the Remtron® brand. 100% American made and supported, the Patriot® is offered in four models, all of which use Remtron's proven Command Pro® technology. All Patriot® systems are shipped ready to install with a six foot long wiring harness and include our exclusive extruded aluminum receiver enclosure. Best of all, the Patriot® series transmitters come with a **One Year Unconditional Warranty!**



- ◎ **MADE & SUPPORTED IN THE USA**
- ◎ **IP66/67 OCU (TRANSMITTERS)**
- ◎ **UNCONDITIONAL WARRANTY**
- ◎ **LOW COST OF OWNERSHIP**
- ◎ **SUPERIOR FACTORY SUPPORT**
- ◎ **BUILT-IN 6 FT. WIRE HARNESS**



# NE CONTROL SYSTEMS

## 25S08A/25S10A

DESIGNED FOR  
3 MOTION/1 SPEED  
2 MOTION/2 SPEED



## 25S11A/25S15A

DESIGNED FOR  
3 MOTION/2 SPEED  
3 MOTION/2 SPEED  
W/ A/B/BOTH



Patriot System Matrix			
Control Scheme	Model	OCU (Transmitter)	MCU (Receiver)
3 Motion/1 Speed	25S08A	25T10A	25R11
2 Motion/2 Speed	25S10A	25T10A	25R11
3 Motion/2 Speed	25S11A	25T11A	25R11
			3 and 4-wire Hoist Config
3 Motion/2 Speed w/ A/B/Both Option	25S15A	25T15A	25R15
	A/B Select Relays		3 and 4-wire Hoist Config

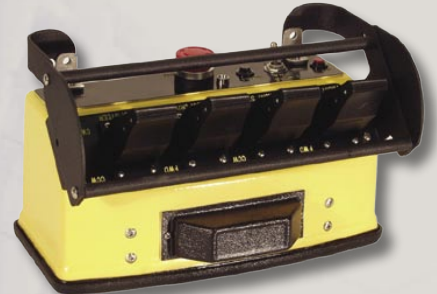
# REMTRON BRAND OPERATOR CONTROL UNITS (OCU)

“Gorilla Tough” is not just our slogan, it’s our promise!”



21T34A

Built to perform and survive in the tough environments of steel and manufacturing plants, the Remtron® brand flagship Command Pro product line sets the standard for reliability and ruggedness. Yet, inside each transmitter you’ll find a sophisticated electronic system that provides a higher level of responsiveness, versatility and safety.



21T44A

The Command Pro line is available in various models offering different levels of functionality to meet the specific needs of different size facilities and types of applications.



21T54

## REMTRON BRAND BELLYBOX OPERATOR CONTROL UNIT (OCU) FEATURES

- Low power consumption for long battery life
  - Typically more than 100 hrs. on AA batteries
- Rugged cases hold up to industrial demands
- Easy-to-use “Push-to-Operate” (PTO) bar optional
- Self-test LED provides transmitter and battery status
- Internal antenna prevents breakage
- Optional UL 913 rating for classified environments



21T74

• Customizable to Any Application

• 2 Year Unconditional Warranty

## REMTRON BRAND HANDHELD OPERATOR CONTROL UNIT (OCU) FEATURES

- Self-test LED provides transmitter and battery status
- Rugged cases are reliable under industrial demands
- Leather holster for added protection
- Long life switches with tactile-feedback
- Optional UL 913 rating for classified environments
- IP66/67 rating for water/ dust-tight operations (21T10A, 21T14A and 21T18A)



21T23



21T14A



21T10A



21T18A



21T20

SINGLE-STEP MODELS

TWO-STEP MODELS

# CATTRON BRAND OPERATOR CONTROL UNITS (OCU)



PADDLE CONTROL OCU

Designed for durable, reliable and convenient operations, the Cattron® brand T34C and Paddle Controller are designed for indoor/outdoor use. Both the T34C and Paddle Controller can be used with most Cattron® brand AT or MP series receiver/decoder units as well as most systems as either a replacement or spare controller. In addition to cranes, the Paddle Controller can also be used for railroad, military, and other industrial applications.

## T34C/PADDLE CONTROL OCU (TRANSMITTER) FEATURES

- For use with most Cattron® licensed AT or MP Series Systems
- Power-on self-diagnostics
- Two stage LED battery indicator with audible beep
- Long battery life; full voltage regulation over life of the battery
- Rugged, epoxy-coated extruded aluminum case (Paddle Control)
- Rubberized metal end caps to absorb heavy shocks (Paddle Control)
- Full-length "Push-to-Operate" (PTO) safety bar
- High grade, lightweight aluminum case (T34C)



T34C OCU

The Cattron® brand handheld controllers give operators of heavy equipment the best of both worlds: a small, hand-held, controller with a tough, metal housing. The MKU series and Toggle handheld controllers are ideal when a lightweight handheld control is needed. Ideal for both indoor and outdoor applications, the MKU and Toggle Controller give the operator a reliable and extremely durable controller.



## MKU FEATURES

- Upgraded existing single/dual-pressure keypad controller
- Transkey for added security and safety
- Durable housing made of extruded aluminum
- Rubberized end caps to absorb heavy shocks
- Hoist Selection LEDs
- Combined switch/encoder board increase controller reliability



MKU OCU

## TOGGLE FEATURES

- Customized layout with custom-engraved nameplates
- Power-on self-diagnostics
- Two stage LED battery indicator with audible beep
- Long battery life; full voltage regulation over life of the battery
- Epoxy-coated aluminum housing with Lifetime Warranty
- Rubberized end caps & switch guards to absorb heavy shocks
- Large "Push-to-Operate" (PTO) safety bar



TOGGLE OCU

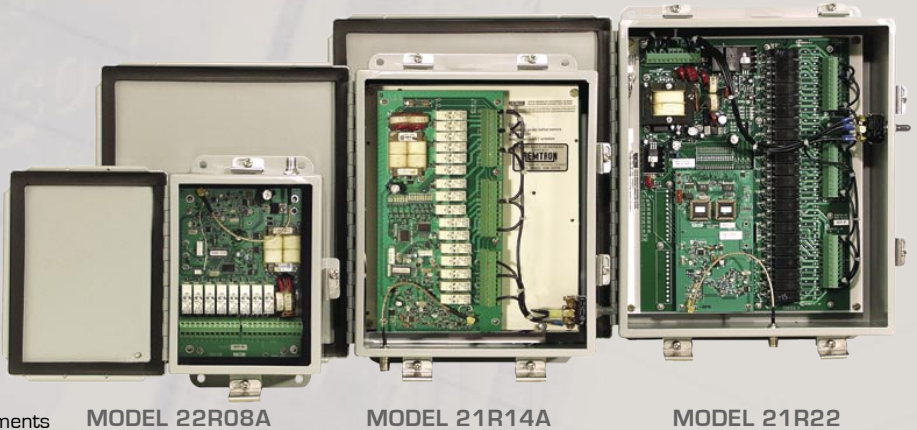


# MACHINE CONTROL UNITS (RECEIVERS)

Customizable to Any Application

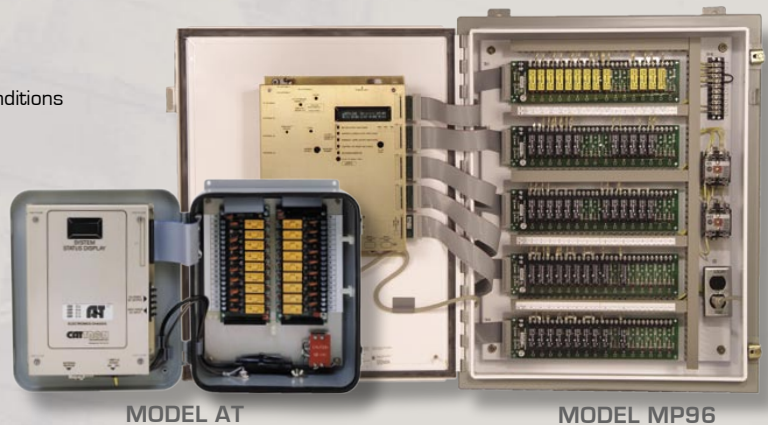
## REMTRON® BRAND MCU (RECEIVER) FEATURES

- NEMA 4 package, easy to install
- Compatible with CONTACTOR or VFD systems
- Easy "screwdriver" maintenance
- Transfer Switch (excludes R08)
- FCC/UL 508 Approved
- Receiver remote antenna kit
- First Come-First Serve (FCFS) and Pitch & Catch Control one receiver with up to six transmitters (P&C R22 and up)
- Optional NEMA 7/8 enclosure for classified environments



## CATTRON® BRAND MP96/AT MCU (RECEIVER) FEATURES

- Two line backlit system status display showing normal and fault conditions
- Customizable data-log and real time computer monitor capability
- Data collection via remote control or externally monitored system inputs
- Extensive self-diagnostics and diagnostic software for PC available
- Single point status display shows normal and fault condition
- Plug-in micro-controller with e-prom allows quick "personality" changes (reduces need for spare controllers)
- FCC/DOC/EC non-licensed and licensed systems available





# GENERAL PURPOSE CONTROLS

Great for Conveyors, Pumps, Gates, Doors, Lights, SafeTStops

## REMOTE SafeTStop

Help increase safety and reduce accidents with the Remtron® brand **SafeTStop(STS)™**. By giving the operators/supervisors the ability to be mobile, they are able to control and stop equipment from virtually any location safely. Along with 60 millisecond response time, the operator/supervisor can have direct control over equipment through rocker switches that provide 7 functions in addition to the ON/Alarm and **STS™** switch. The Remtron® brand **STS™** systems are available with optional UL913 certifications and select systems are IP66/67 rated for the harshest conditions. Whether you are moving people or equipment, the Remtron® brand **STS™** gives you total control in any environment.

### Applications SafeTstop™ has been used in:

- Conveyor Applications
- Assembly Lines
- Amusement Parks
- Entertainment Industry
- Industrial Machinery
- Off Shore Petrochemical



24T09A-1

◎ Two versions to fit your application & requirements

◎ IP66/67 on select OCU's ensures survival in the harshest environments

◎ Opt. UL913 certification for intrinsic applications/hazardous environments



24T09A-2



22T10A



22R08A

The General Purpose Command Pro product line is suited for rugged, industrial applications where only a few functions are needed in a heavy duty radio. This product series is microprocessor-based and can be programmed to perform a multitude of tasks involving logic, momentary and latched relay functions.

### OCU (TRANSMITTER) FEATURES

- Internal antenna prevents breakage
- Leather holster for added protection
- Test LED provides transmitter and battery status
- Low power consumption for long battery life
- Rugged case made from advanced composites holds up to industrial and commercial demands

### MCU (RECEIVER) FEATURES

- NEMA 4 enclosure
- Easy "screwdriver maintenance"; no extra test equipment
- Two-piece terminal strip simplifies installation and service
- Status LED indicators provide easy in-field fault isolation and diagnostics
- Choice of 12 VDC, 24 VDC, 120 VAC or 240 VAC power supplies
- Optional UL 913 rating for classified environments

# LOCOMOTIVE REMOTE CONTROLS

**RCL (Remote Controlled Locomotive)** systems improve profitability and productivity while adding safety to your locomotive operations. The use of remote controls allow one or more operators to move the train while viewing the operations from the most efficient vantage point.

The Cattron Group continues to be the recognized technology leader in the design and implementation of RCL (Remote Controlled Locomotive) systems. With more than **60 years** of radio frequency experience and nearly **10,000 RCL installations** worldwide, The Cattron Group is considered the worldwide leader in providing RCL systems.

## MP96RCL

- Standard throttle/brake locomotive system
- Configurable with lightweight industrial, toggle or paddle OCU
- Pitch and Catch - safely transfer control between operators
- Range Limiting, Close Start and Digital Talkback® functions
- Extensive data-logging with optional external event monitoring
- "Watch-Dog" timers ensure no motion is carried out without an OCU command
- Optional Event Recorder - Monitor both radio and locomotive functions

## MP96QC (Quick Connect)

- Interfaces with locomotives equipped with American Association of Railroads (AAR) standard multiple unit (MU) connections
- Enclosures easily transferable from locomotive to locomotive
- STS™ (Synchronized Time Sharing) with GPS timing
- Available Infrared OCU Identification and Linking
- Pitch & Catch
- Digital Talkback® with "InfoLink"
- Available PC compatible diagnostic software

## ACCUSPEED™

- Lightweight Ergonomic green OCU
- Synchronized Time Sharing(STS™)
  - Up to 10 systems on one frequency
- Digital Talkback® with "InfoLink"
  - Two way digital communication with visual feedback
- Pitch and Catch - safely transfer control between operators
- Electronic Positioning Detection(EPD)
  - Limit operational area of remote control operations
- Speed control automatically adjusts throttle and train brakes
  - Limits locomotive speed



INDUSTRIAL OCU



PADDLE OCU



TOGGLE OCU



ACCUSPEED OCU



## Digital Event Recorder

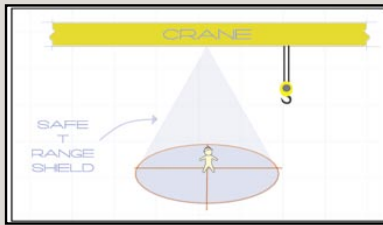
- Used in conjunction with Accuspeed™ or MP96RCL locomotive remote control systems (utilizing STS™ protocol)
- Record and analyze both remote and locomotive data
- FRA Approved
- Monitor efficiency and re-construct accidents
- Over 200 channels and 96 hours of data collection/storage



# ACCESSORIES

## SafeTRange®

Safe-T-Range® keeps the **operator** within a pre-determined distance from the crane, thus increasing **safety** in the work place. Using an advanced spot antenna design along with **programmable** logic, a Safe-T-Range® equipped MCU draws an electronic boundary around the crane. The system then safely stops and inhibits selected functions when the operator steps outside the **boundary**. This is all done without shutting down the main line.



- Electronic boundary range adjustable from 30' to 200'
- Works with any Remtron® brand 21 series transmitter and available on R22-based receivers

## Laser Collision Avoidance System

Your overhead equipment is too **valuable** to your **operation** to take chances. LCAS will protect cranes and hoists from contact with other equipment or end stops, both indoors and out. Using Retroreflective Class 1 Laser technology, the LCAS's simple push-button set up permits you to program your system to activate the Alarm output and Stop functions at exactly the distance you require. With a range of 50 meters (164 feet), the LCAS can discriminate distance changes to a resolution of 3 mm (0.12 inches). LCAS protects stationary equipment as well. Its warning Alarm output will be activated if the unit detects a target moving within its set warning distance. That gives your operators time to take corrective action before a costly collision occurs.



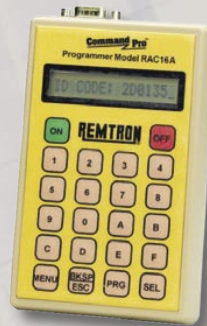
## ELECTRO-HYDRAULIC BRAKE PACKAGE FOR CRANES



The Two-Step Electro-Hydraulic Brake Package makes converting an Electric Overhead Traveling (EOT) Crane from cab control to radio remote or pendant control easy. The conversion requires changing the operation of the bridge brake from a foot pedal to an electrically operated brake. With

the Two-Step Electro-Hydraulic Brake Package, the existing foot pedal system remains in place, and there is no need to re-size or change the existing manual brake system. This eliminates the chance for error in sizing a totally new brake and potential damage to the mechanical structure of the crane during installation of the new brake.

## REMTRON® BRAND WIRELESS CONTROL SYSTEMS PROGRAMMER



RAC16A

All Remtron® brand **systems** can be easily **programmed** in the field **without** the necessity of hard-to-use dip switches. Both the operating frequency and the unit address are contained in a simple 6-character ID code.

### RAC16A Handheld Programmer

Completely **portable** and small enough to fit in your tool pouch, the RAC16A quickly changes ID codes and some **simple** set-up parameters. It also transfers complete set-up information from a fixed computer site to a receiver. For most applications this is the only **programmer** needed.

- Reconfigure Command Pro systems in minutes
- Change ID codes and set-up configurations right in the field

## ERGONOMIC VEST HARNESS



Increase **safety** and **productivity** while providing worker comfort with the Cattron Group International Ergonomic Vest Harness. The Ergonomic Vest Harness offers multiple sizes for optimum fit and a variety of adjustments for optimum weight distribution and worker comfort. It's also rugged enough to stand up to daily use in harsh, industrial environments without sacrificing safety and comfort throughout the worker's shift.

## LEATHER HOLSTER



Rugged leather holsters and straps are included as **standard** equipment with all Remtron® brand 21 and 22 Series handheld OCUs. The holsters make it **convenient** to operate the OCU while on your belt. Shoulder straps are included as standard equipment with all Remtron® brand 21 Series level style OCUs.

