

# ADVANTAGE SERIES

Industrial Wireless Radio Remote Control System



## Features & Benefits

The Advantage Series receiver utilizes a proprietary "PLC on a Chip" technology which allows for application specific ladder logic programming. The system is modular in design to provide both analog and digital input and output capabilities for various voltage and current conditions.

- Ease of maintenance
- Radio Configuration: 450-470 MHz FCC Part 90 licensed
- Unlicensed FCC Part 15 radio communication option available
- Power, error/fault and digital I/O LED diagnostics indication

## Ensures a safe, secure communication link

- On board watchdog safety circuitry
- Proprietary radio protocol with Cyclical Redundancy Checking (CRC)

## Transmitter Options



LJ



LM



LP

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## Technical Specifications

### Receiver Specifications

Construction	Bayblend® T85 (Polycarbonate + ABS) enclosure, customer specified enclosures available upon request.
Dimensions	12" Width x 14" Height x 7.25 " Depth
User Ports Programming Auxiliary Inputs (optional)	Dedicated Ladder Logic programming port serial port/Modbus Up to 16 digital inputs in groups of 8, 12-36VDC or 120VAC
Outputs	Up to 8 analog inputs in groups of 4, 0-10VDC or 4-20mA Up to 32 relay in groups of 4 (2A @ 24VDC/5a @ 120VAC or 4 analog in groups of 4 (0-10VDC or 4-20mA) and up to 28 relay or 8 analog in groups of 4 (0-10VDC or 4-20mA and up to 24 relay
Antenna	TNC bulkhead (external antenna/antenna system required)
Indicators	LEDs: Power, Error/Fault, and all digital I/O points
Power	24VDC (optional 120/220VAC module)

### Overall Specifications

RF Scheme	450-470 MHz, FCC Part 90 licensed, Narrow band, Simplex or Unlicensed FCC Part 15 radio, communication
Range	500 ft. indoors/1,000 ft outdoors line of sight
Communication Security	Proprietary Protocol, CRC Coding
Warranty	Two (2) years



[www.controlchief.com](http://www.controlchief.com)

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