



# R-4P 1-17 Channel Field Programmable Receiver

*With Connector, Cable and Internal or External Antenna*



## OPERATION

### Radio Operation

Up to 17 factory installed outputs can be any combination of digital (bang/bang), proportional current, ratiometric, or unamplified. Can directly drive a wide range of coils and other DC loads.

Up to 7 of the available output channels may be configured as inputs with popular voltage ranges suitable for reading sensors or switches.

### Programmable Logic

Receiver can be field programmed to adjust min, max, ramping, PWM frequency and other user specified parameters.

### Pushbutton/Tether Learn

Transmitter and receiver are “married” to permit operation of multiple radios in the same area without cross-control. Transmitters and receivers can be married in the field by pushing a button in the receiver or momentarily connecting the optional tether cable.

### Safety Features

Receiver automatically detects when transmitter is out of range, and returns outputs to a safe condition. Normally-closed E-Stop output also available. Monitored receiver electronics disables outputs on fault condition.

## ORDERING INFORMATION

PART #	DESCRIPTION
RX4P	Programmable Standard range 16 channel receiver
RE4P	Programmable Extended range 16 channel receiver
RZ4P	Programmable International 16 channel receiver
RU4P	Programmable Microlink compatible 16 channel receiver

## FEATURES

### Simple to Set Up and Use

Pre-wired cable harness with Deutsch DTM series connector. Factory programmed for your application. Field adjustable using optional R4P programming tool. Wiring diagram included.

### Compact, Rugged Enclosure

Compact size is ideal for mounting in tight spaces. Environmentally sealed for harsh off-highway applications. IP66 rated enclosure and connector.

### Affordable

Fully integrated receiver. No external modules required. Outputs factory installed for your application. Pay only for the outputs and features you need.

### License Free

Pre-certified FCC - no license required.

### External Antenna (Option)

Flexible antenna can be installed away from obstructions to improve range.

## APPLICATIONS

### Crane control

### Wood chippers and grinders

### Blower trucks

### Sawmill machines

### Conveyors

### Earth compactors

### Rock crushers

### Robotics

### Remote process control

### Winch systems

### Specialty off-highway equipment

# SPECIFICATIONS

## General

Power Requirement 10 to 30vdc, 500mA nominal + power to loads

Fuses 10-amp inline mini blade fuse. Outputs protected

## Radio

Frequency 902-928MHz, Unlicensed ISM band standard models

2.4-2.4835GHz, Unlicensed ISM band international option

RU4 (Microlink) option, 433.92MHz, Fixed frequency FM

Type Frequency hopping spread spectrum

Frequency Control Direct FM

FCC id OUR9XCITE: Standard range

OUR9XTREAM: Extended range

OURXBEE: International version

Sensitivity -104dBm

## Receiver

RF Connector (option) BNC

Output Types Digital, proportional, ratiometric, or unamplified

Digital Outputs Solid state relay, provides supply voltage up to 5-amp

Proportional Current Outputs Adjustable PWM up to 5-amp

Ratiometric Outputs 25% to 75% of supply voltage, 100mA max

Unamplified Outputs Customer specified (0 to 10v, typical)

Inputs Up to 7 factory configurable inputs, 55vdc max.

Field Wiring 1 or 2, 12-pin DTM connector with 6' pigtail cable

## Enclosure

Nylon 6/6 black, translucent polycarbonate cover, IP66

Approximate size: 5.24" L x 4.63" W x 1.48" D

## Environmental

Storage -40°C to 85°C

Operating -10°C to 60°C



R4P optional programming tool makes field adjustment of user-specified parameters fast and easy. Great for fine tuning machine performance!