



R-4 1-16 Channel Factory Configurable Receiver

With Connector, Cable and Internal or External Antenna



OPERATION

Radio Operation

Up to 16 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 factory programmed to perform a wide range of logical functions and sequences.

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
RX4	Standard range 16 channel receiver
RE4	Extended range 16 channel receiver
RZ4	International 16 channel receiver
RU4	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. 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 configured 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

Receiver

Sensitivity -104dBm

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

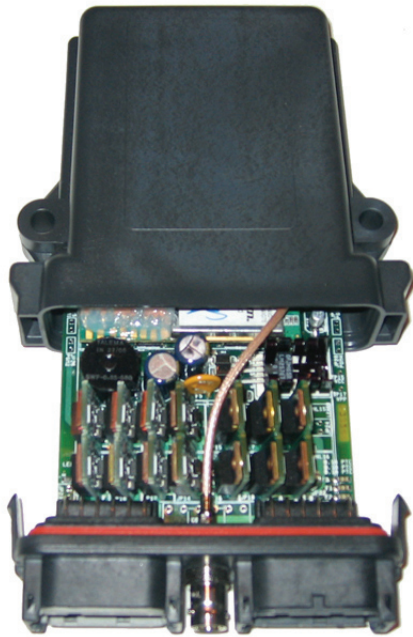
Enclosure

Nylon 6/6 black, IP66

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

Environmental

Storage -40°C to 85°C



Up to 16 factory configurable outputs in a rugged, compact, and water tight enclosure.