



R-3 14 or 28 Channel Relay Receiver

Relay Outputs, with Cable and External Antenna



NEMA 4X polycarbonate option shown

FEATURES

- **Simple to Set Up and Use**
Relay outputs pre-wired to connector. Mating connector pigtail provided for easy field wiring.
- **Environmentally Sealed**
Environmentally sealed to NEMA 4 for harsh environments.
- **License Free**
Pre-certified FCC - no licence required
- **External Antenna**
Flexible antenna can be installed away from obstructions to improve range.
- **Connector and Cable Included**
Receiver features environmentally sealed Deutsch HD connector with mating connector pigtail cable.

OPERATION

Radio Operation

14 or 28 relay outputs, and 2 proportional outputs can directly drive up to 5-amp loads.

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.

APPLICATIONS

- Rock crushers
- Wood chippers and grinders
- Crane control
- Sawmill machines
- Conveyors
- Earth compactors
- Blower trucks
- Robotics
- Remote process control
- Winch systems
- Specialty off-highway equipment

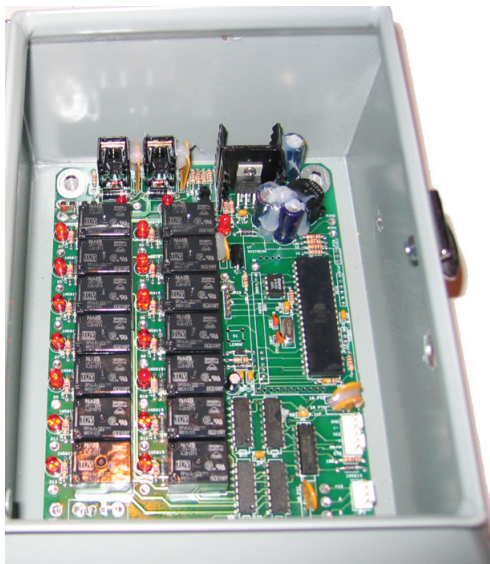
ORDERING INFORMATION

PART #	DESCRIPTION
RX3	Standard range relay receiver
RE3	Extended range relay receiver
RZ3	International relay receiver
RU3	Microlink relay receiver

Add “-28” suffix for 28-relay version.

SPECIFICATIONS

General	Power Requirement	10 to 30vdc, 500mA nominal + power to loads	
	Fuses	15 amp standard blade. 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	
Receiver	Type	Frequency hopping spread spectrum	
	Frequency Control	Direct FM	
	FCC id	OUR9XCITE: Standard range OUR9XTREAM: Extended range OURXBEE: International version	
	Sensitivity	-104dBm	
	RF Connector	BNC	
	Relays	14 or 28 x 5-amp contacts, DC only	
	Proportional Current Outputs	2 x PWM up to 5-amp	
	Field Wiring	29-pin Deutsch HD connector with mating 6' pigtail cable	
	Enclosure		NEMA 4, powder coated steel NEMA 4X polycarbonate available
			Approximate size: 9" L x 6"W x 4"D
Environmental	Storage	-40°C to 85°C	
	Operating	-10°C to 60°C	



Mechanical relay outputs can be configured for normally open or normally closed operation. Outputs can also be bridged to operate linear actuator motors directly. Also features two PWM outputs for added flexibility.