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.

FEATURES

Simple to Set Up and Use

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

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PART #</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>RX4P</td>
<td>Programmable Standard range 16 channel receiver</td>
</tr>
<tr>
<td>RE4P</td>
<td>Programmable Extended range 16 channel receiver</td>
</tr>
<tr>
<td>RZ4P</td>
<td>Programmable International 16 channel receiver</td>
</tr>
<tr>
<td>RU4P</td>
<td>Programmable Microlink compatible 16 channel receiver</td>
</tr>
</tbody>
</table>
## SPECIFICATIONS

### General

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Requirement</td>
<td>10 to 30vdc, 500mA nominal + power to loads</td>
</tr>
<tr>
<td>Fuses</td>
<td>10-amp inline mini blade fuse. Outputs protected</td>
</tr>
</tbody>
</table>

### Radio

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>902-928MHz, Unlicensed ISM band standard models</td>
</tr>
<tr>
<td></td>
<td>2.4-2.4835GHz, Unlicensed ISM band international option</td>
</tr>
<tr>
<td></td>
<td>RU4 (Microlink) option, 433.92MHz, Fixed frequency FM</td>
</tr>
<tr>
<td>Type</td>
<td>Frequency hopping spread spectrum</td>
</tr>
<tr>
<td>Frequency Control</td>
<td>Direct FM</td>
</tr>
<tr>
<td>FCC id</td>
<td>OUR9XCITE: Standard range</td>
</tr>
<tr>
<td></td>
<td>OUR9XTREAM: Extended range</td>
</tr>
<tr>
<td></td>
<td>OURXBEE: International version</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>-104dBm</td>
</tr>
<tr>
<td>RF Connector (option)</td>
<td>BNC</td>
</tr>
<tr>
<td>Output Types</td>
<td>Digital, proportional, ratiometric, or unamplified</td>
</tr>
<tr>
<td>Digital Outputs</td>
<td>Solid state relay, provides supply voltage up to 5-amp</td>
</tr>
<tr>
<td>Proportional Current Outputs</td>
<td>Adjustable PWM up to 5-amp</td>
</tr>
<tr>
<td>Ratiometric Outputs</td>
<td>25% to 75% of supply voltage, 100mA max</td>
</tr>
<tr>
<td>Unamplified Outputs</td>
<td>Customer specified (0 to 10v, typical)</td>
</tr>
<tr>
<td>Inputs</td>
<td>Up to 7 factory configurable inputs, 55vdc max.</td>
</tr>
<tr>
<td>Field Wiring</td>
<td>1 or 2, 12-pin DTM connector with 6’ pigtail cable</td>
</tr>
</tbody>
</table>

### Receiver

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure</td>
<td>Nylon 6/6 black, translucent polycarbonate cover, IP66</td>
</tr>
<tr>
<td></td>
<td>Approximate size: 5.24” L x 4.63”W x 1.48”D</td>
</tr>
</tbody>
</table>

### Environmental

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage</td>
<td>-40ºC to 85ºC</td>
</tr>
<tr>
<td>Operating</td>
<td>-10ºC to 60ºC</td>
</tr>
</tbody>
</table>

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