R–4D 18 Channel Economy Digital Receiver

Bang-bang only with Connector, Cable and Internal or External Antenna

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.

- **License Free**
  Pre-certified FCC - no license required.

- **External Antenna (Option)**
  Flexible antenna can be installed away from obstructions to improve range.

OPERATION

**Radio Operation**

18 factory installed bang-bang (on/off) outputs can directly drive a wide range of coils and other DC loads.

4 inputs are available for reading sensors or switches, and 4 of the outputs can be used as additional inputs.

**Programmable Logic**

Receiver can be factory programmed to perform a wide range of logical functions and sequences. Internal DIP switches can be factory programmed for user specified functions.

**Pushbutton 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. This receiver does not offer support for tethered operation.

**Safety Features**

Receiver automatically detects when transmitter is out of range, and returns outputs to a safe condition. Monitored receiver electronics disables outputs on fault condition.

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>
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<tbody>
<tr>
<td>RX4</td>
<td>Standard range 16 channel receiver</td>
</tr>
<tr>
<td>RE4</td>
<td>Extended range 16 channel receiver</td>
</tr>
<tr>
<td>RZ4</td>
<td>International 16 channel receiver</td>
</tr>
<tr>
<td>RU4</td>
<td>Microlink compatible 16 channel receiver</td>
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### 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
  
<table>
<thead>
<tr>
<th>Frequency</th>
<th>Unlicensed ISM band international option</th>
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<tbody>
<tr>
<td>2.4-2.4835GHz</td>
<td>RU4 (Microlink) option, 433.92MHz, Fixed frequency FM</td>
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</table>
- **Type**: Frequency hopping spread spectrum
- **Frequency Control**: Direct FM
- **FCC id**: OUR9XCITE: Standard range
  
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<tr>
<th>FCC id</th>
<th>OUR9XTREAM: Extended range</th>
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<tr>
<td>OURXBEE: International version</td>
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- **Sensitivity**: -104dBm

#### Receiver
- **RF Connector (option)**: BNC
- **Output Types**: Digital, on/off only
- **Digital Outputs**: Solid state relay, provides supply voltage up to 5-amp
- **Inputs**: Up to 8 factory configurable
- **Field Wiring**: 1 or 2, 12-pin DTM connector with 6’ pigtail cable

#### Enclosure
- **Enclosure**: Nylon 6/6 black, IP66
  
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<tr>
<th>Approximate size: 5.24” L x 4.63”W x 1.48”D</th>
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#### Environmental
- **Storage**: -40°C to 85°C
- **Operating**: -10°C to 60°C