R–1 1 to 32 Channel Adjustable Receiver

LCD and pushbutton interface for field adjustment

FEATURES

- Simple to Set Up and Use
  Menu-driven interface on receiver provides simple setup and adjustment of all functions. Documentation provided for wiring.

- Modular Outputs
  1 to 32 factory installed outputs can be digital, proportional, ratiometric, or unamplified. Ideal for controlling electrical, hydraulic, and pneumatic equipment.

- Environmentally Sealed
  Environmentally sealed to IP67 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 connector with mating connector pigtail cable.

APPLICATIONS

- Track machines
- Wood chippers and grinders
- Crane control
- Sawmill equipment
- Conveyors
- Earth compactors
- Rock crushers

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PART #</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>RX1</td>
<td>Standard range universal receiver kit</td>
</tr>
<tr>
<td>RE1</td>
<td>Extended range universal receiver kit</td>
</tr>
<tr>
<td>RZ1</td>
<td>International universal receiver kit</td>
</tr>
</tbody>
</table>

ORDERING INFORMATION

Backlit LCD Display!
Easily make adjustments to tune machine performance.

NEW

Built-in programming interface.
Ideal for fine tuning machine performance!
SPECIFICATIONS

General
- Power Requirement: 10-30vdc, 500mA nominal + power to loads
- Fuses: Self-resetting type. Outputs protected

Radio
- Frequency: 902-928MHz, Unlicensed ISM band standard models
  2.4-2.4835GHz, Unlicensed ISM band international option
- 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: 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 (0-10v, typical)
- Standard Adjustments: Min, Max, Ramp up, Ramp down, Threshold
- Field Wiring: 40-position Deutsch connector with 6’ pigtail wiring

Interface
- Keypad: 8-pushbuttons
- LCD: 4-line x 16 character backlit LCD

Enclosure
- IP67 fiberglass

Environmental
- Storage: -40ºC to 85ºC
- Operating: -10ºC to 60ºC

PROGRAMMING MENU

<table>
<thead>
<tr>
<th>Frequency Select</th>
<th>Channels 0-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Frequency</td>
<td>3000 Hz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Status</th>
<th>In Range</th>
<th>Address 00000001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switch</td>
<td>00000000</td>
<td></td>
</tr>
<tr>
<td>Analog</td>
<td>----------</td>
<td></td>
</tr>
</tbody>
</table>

PWM FREQUENCY ADJUST SCREEN
- For current PWM proportional outputs only
- Select CHANNEL in banks of four
- Adjust VALUE to valve specifications

TRANSMITTER DIAGNOSTICS SCREEN
- Displays transmitter status and address
- Displays function codes for switches
- Displays status of proportional controls

INPUT DIAGNOSTICS SCREEN
- Select input CHANNEL (if equipped)
- Bar graph display shows input voltage

OUTPUT PROGRAMMING SCREEN
- Select output CHANNEL
- Select SETTING
- Adjust VALUE of setting
- Bar graph display shows output level

OUTPUT STATUS SCREEN
- Bar graph display shows status of all outputs