RM20  Radio Receiver Modules

Compact 4 output receiver. 2 Digital on/off and 2 configurable analog or digital

FEATURES

- Compact Size
  Compact design with mounting tabs integrates easily into control panels.

- Configurable Outputs
  2 x digital on/off outputs plus 2 x configurable outputs including PWM current, ratiometric, 0-10v, 4-20mA and digital on/off.

- External antenna
  Replaceable “stubby” antenna for maximum range. Other antenna options also available including cabled versions.

- Reliable communication
  2.4GHz and 900MHz models for long-range reliability. 433Mhz fixed frequency version also available for compatibility with economy transmitters.

- Cost Effective
  Value priced, simple receiver for controlling up to four loads.

ORDERING INFORMATION

Radio

- E 900MHz, Extended range
- N 900MHz, Standard range
- Z 2.4GHz, Standard range
- F 433MHz, Fixed frequency

Output 1

- 0 On/Off (Digital)
- 1 PWM current
- 2 Voltage (0-10v)
- 3 Milliamp (4-20mA)
- 4 Ratiometric

Output 2

- 0 On/Off (Digital)
- 1 PWM current
- 2 Voltage (0-10v)
- 3 Milliamp (4-20mA)
- 4 Ratiometric

Output 3 and 4 are On/Off on all RM20 models.

SPECIFICATIONS

Power

Power Supply 12 to 24 VDC, 100mA max. plus load current

Outputs

RM20 4 outputs. Output 1 and 2 factory configurable.

Output Capacity 3 amps max. per channel, 7 amps max total

Enclosure

Thermoplastic, 3” w x 2.75” h x 1” d, with molded-in mounting brackets

<table>
<thead>
<tr>
<th>MODEL</th>
<th>FREQUENCY</th>
<th>INDOOR/URBAN</th>
<th>OUTDOOR LINE OF SIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>REM20</td>
<td>902-928MHz, FHSS</td>
<td>1,000’</td>
<td>Up to 3 miles with Yagi antenna</td>
</tr>
<tr>
<td>RNM20</td>
<td>902-928MHz, FHSS</td>
<td>300’</td>
<td>1,000’</td>
</tr>
<tr>
<td>RZM20</td>
<td>2.4GHz, DSSS</td>
<td>300’</td>
<td>1,000’</td>
</tr>
<tr>
<td>RFM20</td>
<td>433MHz, Fixed</td>
<td>30’</td>
<td>100’</td>
</tr>
</tbody>
</table>

WIRING

Consult installation manual prior to installation or service.