

# WE'RE NOT JUST CREATING REMOTE CONTROLS, WE'RE CREATING A SAFER WORKPLACE

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## RX ES-PROFINET

The RX ES-PROFINET is designed to meet Hetronic's customer needs. With a compact, lightweight and built to withstand extreme and harsh environments, the RX ES-PROFINET is certified at IP65.

Tailored to operate at different frequencies ranging from 419Mhz to 480Mhz, at 868Mhz, 1.2Ghz or 2.4Ghz, the device includes a RS232 serial connection for cable control. The RX ES-PROFINET is designed to meet the customer different needs and wide range of applications.



Contact a Hetronic  
technical expert for more  
information & to discuss  
your specific application.

[hetronic.com](http://hetronic.com)



<b>HOUSING</b>	<ul style="list-style-type: none"> <li>Impact Resistant Polymer Composite</li> </ul>	<b>CONTROL OPTIONS</b>	<ul style="list-style-type: none"> <li>Half-duplex or Full-Duplex Wireless.</li> <li>RS232 Cable Control.</li> <li>Profi-Net bus.</li> <li>Baud Rate: 100Mbit/s</li> <li>Minimum cycle time: 1ms.</li> </ul>
<b>DIMENSIONS</b>	<ul style="list-style-type: none"> <li>H: 131mm x W: 165mm x D: 65mm</li> <li>H: 5.2" x W: 6.5" x D: 2.6"</li> </ul>	<b>CONTROL FREQUENCIES</b>	<ul style="list-style-type: none"> <li>419,429,434,447,458,480,869, 1216MHz, 2.4GHz</li> </ul>
<b>WEIGHT</b>	<ul style="list-style-type: none"> <li>910gr (2.0lbs.)</li> </ul>	<b>CONTROL RF UNIT</b>	<ul style="list-style-type: none"> <li>Type CS Synthesized with multiple frequencies.</li> </ul>
<b>ENVIRONMENTAL PROTECTION</b>	<ul style="list-style-type: none"> <li>Min IP 65 (Exceeds Nema 12/13)</li> </ul>	<b>ANTENNA</b>	<ul style="list-style-type: none"> <li>External via TNC connector available.</li> </ul>
<b>OPERATING TEMPERATURE/ STORAGE TEMPERATURE</b>	<ul style="list-style-type: none"> <li>-20C to +70C (-4F to +158F)</li> <li>-40C to +85C (-40F to +185F)</li> </ul>	<b>POWER (RF OUTPUT)</b>	<ul style="list-style-type: none"> <li>&lt;=10mW typical; Higher power available subject to country legislation.</li> </ul>
<b>POWER SUPPLY</b>	<ul style="list-style-type: none"> <li>12/24 Vdc (+/- 50%)</li> </ul>	<b>OPERATING RANGE</b>	<ul style="list-style-type: none"> <li>Standard: Typically 150m (492ft.) with 10mW RF power.</li> <li>Other options available.</li> </ul>
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>IP67 rated RJ45 CAT6 connector for ethernet Bus</li> <li>Rubber mounts</li> </ul>	<b>SAFETY</b>	<ul style="list-style-type: none"> <li>20-bit programmable address with up to 1 million combinations.</li> <li>Active &amp; Passive CAT3 SIL3 Stop Function.</li> <li>Hamming distance: 4</li> <li>Parity &amp; Checksum.</li> </ul>
<b>OPTIONS</b>	<ul style="list-style-type: none"> <li>Custom brand labelling</li> <li>Custom enclosure colour</li> </ul>	<b>COMPLIANCE</b>	<ul style="list-style-type: none"> <li>CE, FCC, IC, EMC, EMI, Radio Frequency, ROHS, REACH.</li> <li>ISO13849-1, IEC62745, IEC62368-1</li> </ul>
<b>HUMIDITY RANGE</b>	<ul style="list-style-type: none"> <li>0 to 97% max. non-condensing</li> </ul>	<b>PHYSICAL INTERFACES</b>	<ul style="list-style-type: none"> <li>RJ45 for PROFINET-BUS.</li> <li>14-pol + PE Amph for power.</li> <li>2x STOP relays.</li> <li>2x NO/NC relays.</li> <li>3pol + PE Amph for cable control.</li> </ul>



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**ABOUT HETRONIC**

Since 1982 Hetronic has delivered the finest, most reliable industrial Safety Radio Remote Control user interface solutions for process and equipment control applications in the industry. We have shipped over 500,000 safe and reliable transmitter/ receiver solutions to customers around the world. Our global network of service locations, in over 50 countries, provides expert service, support and sales when customers need safe, secure and reliable remote control solutions. Contact a Hetronic expert and learn more at [www.hetronic.com](http://www.hetronic.com)

