

**ACTIVE RFID**



- Standalone Safety Solution
- Detects Wavetrend RX25 Safety Repeaters
- Fully integrated High Powered Relay Control
- Singular use or as part of multiple reader network
- Supports internal USB connection
- Remote activation/deactivation of vehicle when used in conjunction with Wavetrend Active TGF Keyfob Tag

The RX2020 Safety Command Unit (SCU) detects and decodes RFID (radio frequency identification) signals from Wavetrend's RX25 Safety Repeaters. A single SCU can be paired with multiple RX25's with a preconfigured unique site code to create one standalone system per vehicle. This enables the deployment of multiple vehicle-mounted safety systems to function effectively even in close proximity to other vehicles equipped with the same Wavetrend Safety System using a different system site code.

The RX2020 Safety Reader has three independent relays which are rated to 40 AMPs as follows; Relay 1: Powered Switching Relay Relay 2: Switching Relay Relay 3: Latched Relay. These relays are fully integrated providing control over ancillary warning devices and easy integration into any existing driver safety device eg. dead man's switch. The connection to the relay outputs and powering of the unit is via a single automotive grade 8 way connector. Individual LEDs provide a visual status of power, tag read and relay state. The RX2020 can be powered from 12V to 24V making it ideally suited for vehicular deployment

This Command Unit is ideally suited for use in conjunction with RX25 Repeaters in safety systems for collision avoidance for personnel/vehicle or vehicle/vehicle in health and safety applications.

<b>Environmental</b>	<ul style="list-style-type: none"> <li>▪ Operating temperature : -40°C to +85°C</li> <li>▪ Storage temperature : -20°C to +70°C</li> <li>▪ Humidity : 5% to 90% (non condensing)</li> <li>▪ IP Rating : IP64</li> </ul>
<b>Physical</b>	<ul style="list-style-type: none"> <li>▪ Size : 12.5 x 8.0 x 4.5</li> <li>▪ Weight (unit) : 310g</li> <li>▪ Colour : Black</li> <li>▪ Material : Aluminium</li> <li>▪ Connections : 1 Mini Internal USB type socket</li> <li>                  : 8 way connector</li> </ul>
<b>Radio Frequency</b>	<ul style="list-style-type: none"> <li>▪ Receive Frequency : 433.92 MHz</li> <li>▪ Modulation : ASK</li> </ul>
<b>Electrical</b>	<ul style="list-style-type: none"> <li>▪ Supply Voltage : 12 – 24Vdc</li> <li>▪ Max Current Consumption : 20 ma</li> <li>▪ Three pairs of relay contacts 40 AMPS : Power VCC/Gnd</li> <li>  : Relay 1, NO, Common</li> <li>  : Relay 2, NO, Common</li> <li>  : Relay 3, NO, Common</li> </ul>
<b>Protocol Specification</b>	<ul style="list-style-type: none"> <li>▪ Standard Data Rate : 9,600 – 115,200 (baud rate)</li> </ul>

Certified for CE use



**Ordering & Further Information**

For more information on purchasing the RX25 please email the Wavetrend' Sales team:

[sales@wavetrend.net](mailto:sales@wavetrend.net)

For more information on Wavetrend® visit our website.

**IP Information**

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