

## ACTIVE RFID



- Detects Wavetrend active RFID tags and retransmits the tag detail to the RX2020 Safety Command Unit
- Compatible with the RX2020 Safety Command Unit
- User configurable tag data and read range filters
- Singular use or as part of multiple reader network
- Supports internal USB connection
- On/off metal use
- Compatible with RX2020 Safety Reader

The RX25 Safety Repeater detects and decodes RFID (radio frequency identification) signals from Wavetrend's range of active RFID tags and retransmits to the Wavetrend RX2020 Safety Command Unit (SCU). With a configurable RSSI read range the RX25 Repeater can be setup to read tags at ranges from 0.5 - 50 meters which allows the RX25 to be deployed as a vehicle-mounted proximity reader to eliminate blind spots on a vehicle. The RX25 can be used to achieve a small read range as required whilst also relaying this information at ranges of over 50 meters to the RX2020 Command Unit which can be mounted in a vehicle cab. A Wavetrend Safety System can consist of multiple RX25s all preconfigured to a single site code which is unique to a single vehicle command unit (SCU). This allows the deployment of multiple safety system equipped vehicles to operate independently even when in close proximity to each other.

This repeater is ideally suited for use in safety systems for collision avoidance for personnel/vehicle or vehicle/vehicle in health and safety applications. The RX25 repeater can be used to create zones around vehicles to generate proximity alerts when a tagged asset (person/vehicle) comes within the predefined read range zone.

<b>Environmental</b> <ul style="list-style-type: none"> <li>▪ Operating temperature</li> <li>▪ Storage temperature</li> <li>▪ Humidity</li> <li>▪ IP Rating</li> </ul>	<ul style="list-style-type: none"> <li>: -40°C to +85°C</li> <li>: -20°C to +70°C</li> <li>: 5% to 90% (non condensing)</li> <li>: IP67</li> </ul>
<b>Physical</b> <ul style="list-style-type: none"> <li>▪ Size</li> <li>▪ Weight (unit)</li> <li>▪ Colour</li> <li>▪ Material</li> <li>▪ Connections</li> </ul>	<ul style="list-style-type: none"> <li>: 11.0 x 7.6 x 4.0cm</li> <li>: 175g</li> <li>: Yellow</li> <li>: Nylon</li> <li>: 1 Mini Internal USB type socket</li> </ul>
<b>Radio Frequency</b> <ul style="list-style-type: none"> <li>▪ Receive Frequency</li> <li>▪ Modulation</li> </ul>	<ul style="list-style-type: none"> <li>: 433.92 MHz</li> <li>: ASK</li> </ul>
<b>Electrical</b> <ul style="list-style-type: none"> <li>▪ Supply Voltage</li> </ul>	<ul style="list-style-type: none"> <li>: Internal Battery</li> </ul>
<b>Protocol Specification</b> <ul style="list-style-type: none"> <li>▪ Standard Data Rate</li> </ul>	<ul style="list-style-type: none"> <li>: 38400 (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.

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