

Z-Wave Specifications

Z-Wave SW	Serial API						
Z-Wave Protocol	Release 4.25						
Basic Device Class	Portable Controller						
RF Data Rate	9.6kbps / 40kbps						
RF Frequency	<table> <tr> <td>EU</td> <td>9.6kbps: 868.42 MHz 40kbps: 868.40 MHz</td> </tr> <tr> <td>US</td> <td>9.6kbps: 908.42 MHz 40kbps: 908.40 MHz</td> </tr> <tr> <td>AU</td> <td>9.6kbps: 921.42 MHz 40kbps: 921.40 MHz</td> </tr> </table>	EU	9.6kbps: 868.42 MHz 40kbps: 868.40 MHz	US	9.6kbps: 908.42 MHz 40kbps: 908.40 MHz	AU	9.6kbps: 921.42 MHz 40kbps: 921.40 MHz
EU	9.6kbps: 868.42 MHz 40kbps: 868.40 MHz						
US	9.6kbps: 908.42 MHz 40kbps: 908.40 MHz						
AU	9.6kbps: 921.42 MHz 40kbps: 921.40 MHz						
Modulation	Frequency Shift Keying (FSK)						
Frequency deviation	Center frequency ± 20kHz						
Signal coding	9.6kbps: Manchester Encoded 40kbps: NRZ						
RF filter	SAW Filter						
US: Center frequency = 908.0 MHz, BW = 20MHz							
EU: Center frequency = 868.0 MHz, BW = 20MHz							
AU: Center frequency = 923.5 MHz, BW = 9MHz							

Electrical Specifications

USB Voltage	-0.3 to 5.5V
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Physical Specifications

Operating Temperature	0° to 50°C
Storage Temperature	-40°C to +85°C
Humidity	5 to 90% N/C
Dimensions	82mm (L) 25.2mm (W) 10.5 mm (H)
Colour	Glossy White
Shipping Weight	TBA

Regulatory Approvals

Conformity to product standards for safety + EMC:
 US: FCC Part 15
 EU: R&TTE Directive 1999/5/EC, EN 300 220-3/2000
 ANZ : AS/ANZ 4268+A1+A2

Declaration of conformity

CE (EU)
 2002/95/EG (RoHs)
 2002/96/EC (WEEE)
 1999/5/EC (RTTE)
 C-Tick
 Z-Wave Certified

Test Reports

All test reports and approval certificates are available from Empower Controls on request. All test reports and approval certificates are made in the name of Empower Controls Limited.

Ordering Information

300ZWUS-W	USB Interface, Z-Wave, US frequency
300ZWEU-W	USB Interface, Z-Wave, EU frequency
300ZWAU-W	USB Interface, Z-Wave, AU frequency



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