

# EU Declaration of Conformity

**1. Product model:** Rayzig – Engineering Module / Processor Sub Board

**2. Name and address of the manufacturer or his authorised representative:**

Rayzig Limited, Ballalough House, Smeale Road, Andreas, Isle of Man, IM7 4JA, British Isles

Tel : +44 7624 495481

Email : [admin@rayzig.com](mailto:admin@rayzig.com)

WWW : Rayzig.com

**3. This declaration of conformity is issued under the sole responsibility of the manufacturer.**

**4. Object of the declaration:**

Equipment: Rayzig – Engineering Module / Processor Sub Board

Brand name: Rayzig

Model/type: Engineering Module / Processor Sub Board

Software : Rayzig Module Firmware – Version 2 & WbxMega Module Firmware – V2

The Rayzig Engineering module / Processor Sub Board is part of an overall Building Automated Control System and works with other modules in the Rayzig Range

**5. The object of the declaration described above is in conformity with the relevant Union harmonization legislation:**

Home & Building Electronic Systems (HBES) & Building Automation and Control (BACS) :

EN50491/EN63044 – General Requirements for Home & Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS):

**6. References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:**

EN50491\_2\_2010\_A1\_2015 – General requirements for HBES & BACS – Environmental Conditions

EN50491\_4\_2020 - General requirements for HBES & BACS – Functional Safety

EN50491\_5\_1\_2010 – General requirements for HBES & BACS – EMC Requirements

EN50491\_5\_2\_2010 – General requirements for HBES & BACS – EMC Requirements in

Residential, Commercial & Light Industrial Environment

EN50491\_6\_1\_2010 – General requirements for HBES & BACS – Installation & Planning

EN63044\_3\_2018 – General Requirements for HBES & BACS Electrical Safety Requirements

EN 61000-3-2:2014 – EMC Limits (Equipment <= 16A per phase)

EN 61000-4-2:2009 – ESD Electrostatic Discharge Immunity Test

EN 61000-4-3 – Radiated RF Electromagnetic Field Immunity Test

EN 61000-4-4:2012 – Electrical Fast Transient / Burst immunity Test

EN 61000-4-5:2014/A1:2017 – Surge Immunity Tests

EN 61000-4-6:2014 Immunity to Conducted Disturbances, Induced by RF

EN 61000-4-11:2004 – Voltage Dips, Short Interruptions and Voltage Variations Immunity Tests

EN 61000-4-29:2002 – Voltage Dips, Short Interruptions and Voltage Variations on DC Input Power Port immunity Tests

EN 61000-6-1:2007 – Immunity for Residential, Commercial & Light Industrial

EN 61000-6-2 – EMC Generic Standards (Immunity for Industrial Environments)

EN 61000-6-3 – EMC Generic Standards (Emissions for Residential Commercial & Light Industrial Environments)

EN 61000-6-4 – EMC Generic Standard (Emissions for Industrial Environment)

EN 300-440 v2.1.1 EMC – SRD operating in the 1GHz to 40GHz Spectrum  
EN 300-328 v1.9.1 – ERM Wide Band Transmissions (Article 3.2 of RTTE / RED Directive)  
EN 301-489-1 v2.1.1 RED – EMC Requirements  
EN 301 489-3 v1.6.1 ERM & EMC requirements for SRD operating – 9KHz to 246GHz  
EN 55022 – Information Technology Equipment – Radio Disturbance Characteristics

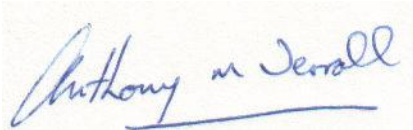
EN60068-2-2:2007 – Environmental Testing – Test B – Dry Heat  
EN60068-6:2008 – Environmental Testing – Tests Fc – Vibration – (Sinusoidal)  
EN60068-2-27 – Environmental Testing – Tests - Shock  
EN60068-2-30:2006 – Environmental Testing – Test Db – Damp Heat Cyclic (12h+12h cycle)  
EN60068-2-31 – Environmental Testing – Tests – Free Fall  
EN60068-2-47:2005 – Environmental Testing – Test Methods – Mounting of Components ...  
EN60068-2-78:2013 – Environmental Testing – Test Cabinet : Damp Heat – Steady State

**7. Signed for and on behalf of:**

Rayzig Limited, Ballalough House, Andreas, Isle of Man

30th October 2019

Manufacturer representative

A handwritten signature in blue ink that reads "Anthony M Verrall". The signature is written in a cursive style and is underlined with a single horizontal line.

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Anthony M Verrall BTech MEng CEng FBCS CIP - Director