




# Dok-Tek Systems Ltd.

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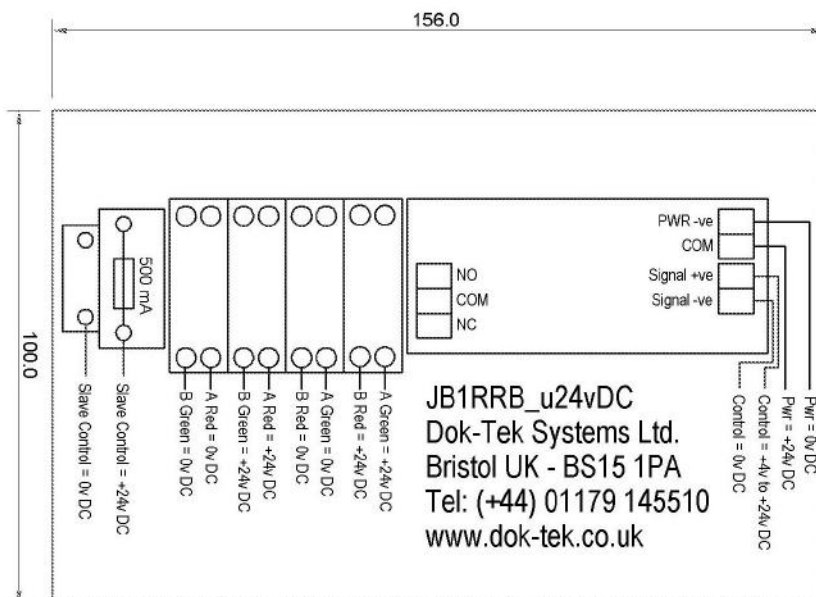
	<h2>JB1RRB-TDS <small>(rev 2 - 05 October 2022)</small></h2> <h3>Junction Box 2 Remote Relay Board</h3> <p>Relay unit to provide switching facility up to 200M from input switch.</p>
	<p>WTO – HS Commodity Code: 8530800000</p>
Place of manufacture:	Dok-Tek Systems Ltd. D7D Avondale Works, Woodland Way, Bristol. England. UK (GB). BS15 1PA



Refer to <https://cebek.co.uk/media/ecom/prodpdf/cebek-t-4-user-manual.pdf>

### Construction:

A Cebek T-54 relay pcb (see is mounted onto a foam PVC sheet, with wiring & connection terminals. All units operate only at extra low voltage.





**UK Legislation:**  
JB1RRB products comply with the following legislation:

**Electromagnetic Compatibility Regulations 2016**



EN 61000-6-3 - Emission standard for commercial & light-industrial environments.  
Emissions = Benign.

EN 61000-6-1 - Immunity standard for commercial and light-industrial environments

RFI Conducted Transmissions:  
Voltage type: U\*\*vDC = Vulnerable. No Protection.  
Voltage type: CR\*\*vDC = Protected ( $\geq 5\text{KHz}$ ).

RFI Radiated Transmissions:  
All types = Vulnerable. No protection

**The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (UKSI 2012 # 3032)**



Restriction Of Hazardous Substances - Not Applicable – Does not contain:  
Lead (Pb). Mercury (Hg). Cadmium (Cd). Hexavalent chromium (Cr6+). Polybrominated biphenyls (PBB). Butyl benzyl phthalate (BBP). Polybrominated diphenyl ether (PBDE). Bis(2-ethylhexyl) phthalate (DEHP). Dibutyl phthalate (DBP). Diisobutyl phthalate (DIBP)

**The Waste Electrical and Electronic Equipment Regulations 2013 (UKSI 2013 # 3113)**



Category 9: Monitoring & control equipment  
Registered WEEE producer - Valpak RM10296  
Separate, recover & recycle.  
Potting compound inert.

**The Packaging (Essential Requirements) Regulations 2015 (SI 2015/1640)**



Product Packaging meets BS EN 13432:2000 & is home compostable.

*Comment: Low Voltage Directive 2014/35 - Electrical Equipment (Safety) Regulations 2016  
Does not apply - Equipment meets requirements of IEC 60038 - Extra low voltage.*

*Comment: The Ecodesign for Energy-Related Products and Energy Information (Amendment) (EU Exit) Regulations 2019  
Annex 3.1 The information requirements do not apply because the LED's are part of a luminaire from which they are not intended to be removed by the end user.*

*Comments: The Supply of Machinery (Safety) Regulations (SI 2008/1597) EN 62061 /IEC 62061 - Outside of Dok-Tek Systems Ltd.control.*



**Important. Supply Voltage:**  
PELV / SELV extra low voltage only. Over Voltage = Failure - Use only regulated power supplies

Voltage limits:  
U24vDC ( $\pm 1.5\text{v}$ )

*Note: Colours to be used with machinery or safety critical installations (EN60204-1).*

*Red = Stop / Emergency; dangerous condition .*

*Yellow = Warning or abnormal condition.*

*Green = Proceed or Normal condtion.*

*Blue = Forcing action required*

*White = Neutral or other use.*

Recommended Mounting height / Viewing Distance. Intense LED Light  
For a direct view - Recommended minimum viewing distance:  
d = 20-50 LED = +5M / 50-80 LED = +10M / 80+ LED = +20M

Temperature limits: Installation = +5°C to +30°C / In service = -15°C to +40°C

Service Life: Shade = +15 Years / Sunlight = +10 Years (UV deterioration).