

## Declaration of Conformity - EMC

**Preparation Date:** 2<sup>nd</sup> January 2018

**We** Broyce Control Ltd

**Of** Pool Street, Wolverhampton, West Midlands, England WV2 4HN

Declare under our sole responsibility that the products:

ELRM44V-30, ELRM44V-10, ELRM44V-10 (0.5s), ELRM44V-3 (0.5s),  
ELRM44V-30/2 (0.5s), ELRM44V-10/2 (0.5s), ELRM44V-3/2 (0.5s), ELRM44V-30AR  
ELRM44F-0300, ELRM44F-0100 and ELRM44F-0030

to which this Declaration relates are in conformity with the following standards:

### Emissions

|                         |                      |                 |
|-------------------------|----------------------|-----------------|
| CISPR 22 <sup>1 2</sup> | Conductive Emissions | 150kHz – 30MHz  |
|                         | Radiated Emissions   | 30MHz – 1000MHz |

### Immunity

|   |                                      |   |
|---|--------------------------------------|---|
| EN 61000-4-2 <sup>1 2</sup>                               | Electrostatic Contact Discharge      | ±8kV (Contact) / ±8kV (Air)   |
| EN 61000-4-3:2006<br>(+A1:2008 +A2:2010) <sup>1 2 3</sup> | Radio Frequency Immunity (EM Field)  | 15V/m, 80MHz – 1GHz, 1kHz, 80% AM<br>20V/m, 1GHz – 2.7GHz, 1kHz, 80% AM |
| EN 61000-4-4:2004 <sup>1 2</sup>                          | Fast Transients                      | ±4kV  |
| EN 61000-4-5 <sup>1 2</sup>                               | Surges                               | ±4kV 1.2/50µS (2.4kV for DC Power Supply)                               |
| EN 61000-4-6:2009 <sup>1 2 3</sup>                        | Conducted Radio Frequency Immunity   | 10Vrms, 150kHz – 80MHz, 1kHz, 80% AM                                    |
| EN 61000-4-12:2006 <sup>2</sup>                           | Ringwave Immunity                    | 200A (0.5µS/100kHz)   |
| IEC 61000-4-16  | Immunity to Common Mode Disturbances | Level 3 @ 10V (15Hz – 150kHz)   |
| IEC 60947-2 Annex M:2006                                  | Current Surge                        | 250A 8/20µS   |

<sup>1</sup> Basic Standard

<sup>2</sup> These tests are also covered in the standard EN 61543 (inc. Am.1), Residual Current Operated protective devices (RCD's) – Electromagnetic Compatibility, to which these products are compliant with.

<sup>3</sup> Spot frequency testing as per IEC 60947-2 Annex J.

following the provisions of EMC Directive 2004/108/EC.

Signed by and on behalf of **Broyce Control Ltd**

*Signature:*  
(David Gough)



*Position:*

General Manager

*Date:*

2<sup>nd</sup> January 2018