

Declaration of Conformity - EMC

Preparation Date: 1st October 2020

We Broyce Control Ltd

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

Declare under our sole responsibility that the products:

LELRF-0300, LELRF-0100 and LELRF-0030

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

Emissions

EN 55011	Conductive Emissions (Class B)	150kHz – 30MHz
CISPR 16	Radiated Emissions (Class B)	30MHz – 1000MHz

Immunity

IEC/EN 61000-4-2 ^{1 2}	Electrostatic Contact Discharge	±8kV (Contact) / ±8kV (Air)
IEC/EN 61000-4-3 ^{1 2}	Radio Frequency Immunity (EM Field)	15V/m, 80MHz – 1GHz, 1kHz, 80% AM 10V/m, 1GHz – 2.7GHz, 1kHz, 80% AM
IEC/EN 61000-4-4 ^{1 2}	Fast Transients	±4kV (Power), ±2kV (Signal)
IEC/EN 61000-4-5 ^{1 2}	Surges	±4kV L>E, ±2kV L>L 1.2/50µS
IEC/EN 61000-4-6 ^{1 2}	Conducted Radio Frequency Immunity	10Vrms, 150kHz – 80MHz, 1kHz, 80% AM
IEC 61000-4-8	Magnetic Field	300A/m
IEC 61000-4-11	Voltage dips and interruptions	0%, 40% and 70% residual voltage at 1, 10/12 and 25/30 cycles respectively (50/60Hz)
IEC 61000-4-16 ²	Immunity to Common Mode Disturbances	Level 3 @ 10V (15Hz – 150kHz)
IEC 60947-2 Annex M	Ringwave Immunity	200A (0.5µS/100kHz)
	Current Surge	250A 8/20µS

¹ Basic Standard

² 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.

following the provisions of EMC Directive 2014/30/EU.

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

Signature:
(David Gough)



Position:

General Manager

Date:

1st October 2020