



## EC Declaration of Conformity

MANUFACTURER: Lion Precision  
563 Shoreview Park Road  
St. Paul, MN 55126-7014

APPARATUS: Label Sensors

TYPES: LRD2100(C), LRD3100, LRD3110, LRD4100,  
LRD5100(C), LRD7200

This Apparatus conforms to the following European Directives:

Directive 2004/108/EC Electromagnetic Compatibility Directive.

The following standards were used to assess the products:

Standard: BS EN 60947-1:2007  
Low-voltage switchgear and controlgear. General rules.

Standard: BS EN 60947-5-2:2007  
Low-voltage switchgear and controlgear. Control circuit devices and switching elements. Proximity switches.

**Date of issue:** October 7, 2011

---

Don Martin, President

**IMMUNITY: BS EN 60947-5-2:2007****ENCLOSURE:**

TEST	STANDARD	TEST VALUE	COMPLIANCE
ELECTROSTATIC DISCHARGE	IEC 61000-4-2	4kV/8kV contact/air	Criterion A
EM FIELD	IEC 61000-4-3	10V/m (80MHz-1GHz, 1.4-2GHz, 2-2.4GHz)	Criterion A
RADIATED POWER FREQ MAGNETIC FIELD	IEC 61000-4-8	30A/m	Criterion A

**DC POWER:**

TEST	STANDARD	TEST VALUE	COMPLIANCE
BURST	IEC 61000-4-4	2kV	Criterion A
CONDUCTED RF	IEC 61000-4-6	3V (150kHz-80MHz)	Criterion A

**I/O SIGNAL/CONTROL:**

TEST	STANDARD	TEST VALUE	COMPLIANCE
BURST	IEC 61000-4-4	2kV	Criterion A

**EMISSIONS: BS EN 60947-5-2:2007 CLASS B:**

TEST	RANGE	LIMITS
ENCLOSURE	30 to 230MHz 230 to 1000MHz	30db ( $\mu$ V/M)quasi peak, measured at 10m 37db ( $\mu$ V/M)quasi peak, measured at 10m
AC MAINS		Not applicable.