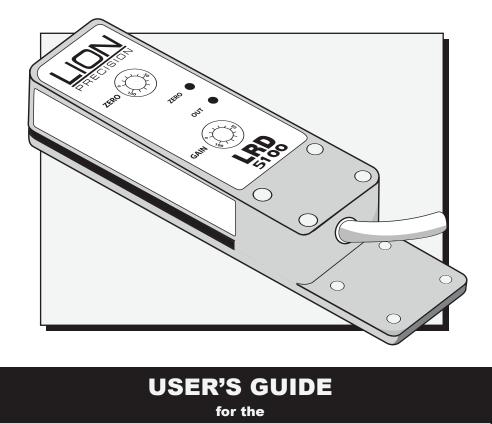




Be confident when you do business with Lion Precision.



# LRD 5100 & LRD 5100C

Label Sensors with Single-Turn Adjus<u>tments</u>

Oakdale, MN, USA www.lionprecision.com 651-484-6544

Two-Year Warranty details at: www.lionprecision.com/warranty.html

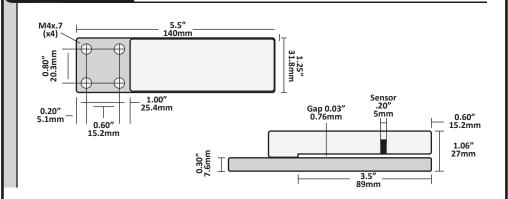
## Warnings

Sensor body is connected to Ground. Sensors must not be attached to voltages in excess of 30VRMS or 60VDC. Use of the equipment in any other manner may impair the safety and EMI protections of the equipment. All power must be off when installing the sensor.

#### Specifications

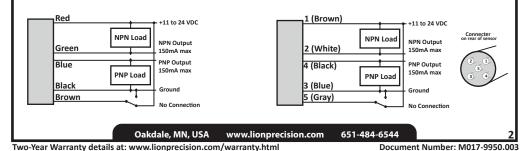
Т	Power Supply	Voltage	11-24 V === (reverse polarity protected)
		Current	50mA
- Г	<b>Response time</b>	on or off	20µs Max
		Switching Frequency	10kHz Max
	Output	Output Current (sinking or sourcing)	150mA Max (overload protected)
		Switching Output	PNP (sourcing) or NPN (sinking) w/ Dark or light switching
	Temperature	Operating Range	40°F -140°F (4°C - 60°C)
ľ		Supply	Inverse polarity protection
	Protections	Switching Output	Short circuit and overloard protection

### **Dimensions**



 LRD 5100 Wiring					
Wire Color	Connection	Notes			
Red	Vin (11-24 V )	50mA max			
Black	Ground	Connected to sensor body			
Green	NPN Output	150mA max			
Blue	PNP Output	150mA max			
Brown	No Connection				

	LRD 5100C Wiring		
Vire Color	Connection	Notes	
1 (Brown)	Vin (11-24V===)	50mA max	
2 (White)	NPN Output	150mA max	
3 (Blue)	Ground	Connected to sensor body	
4 (Black)	PNP Output	150mA max	
5 (Gray)	No Connection		



### Set up for non-metallic tear-tape

The adjustments on the LRD 5100 are marked maximum as '100' and the minimum is marked as '0'. Turning the adjustments past the maximum and or minimum will result in damage to the sensor. Adjustments when first installed on a machine are seen below.

#### Step 1

