

Lion Precision TechNote LT04-0001

LRD Label Sensor Wiring Conversion Chart



Wire colors differ between some label sensor models. Use the chart below to cross reference wire colors between the two color schemes.

Every wire may not be connected. For example, only the NPN or PNP output is usually connected. The other can remain unconnected but insulated from accidental connection.

LRD2100, 6110	LRD2100C, 6110C, 8200, 6300, 6300C, 8300, 8300C	Connection
Wire Color	Wire Color	
Red	Brown	+Vin (12-24VDC)
Black	Blue	Ground
Green	White	NPN Output
Blue	Black	PNP Output
Brown	Gray (Not present or not connected in 8200, 6300, 6300C, 8300, 8300C)	Output Polarity (light/dark switching)
White (pre-1998 LRD2100 only)	None	PNP Output Source Connection