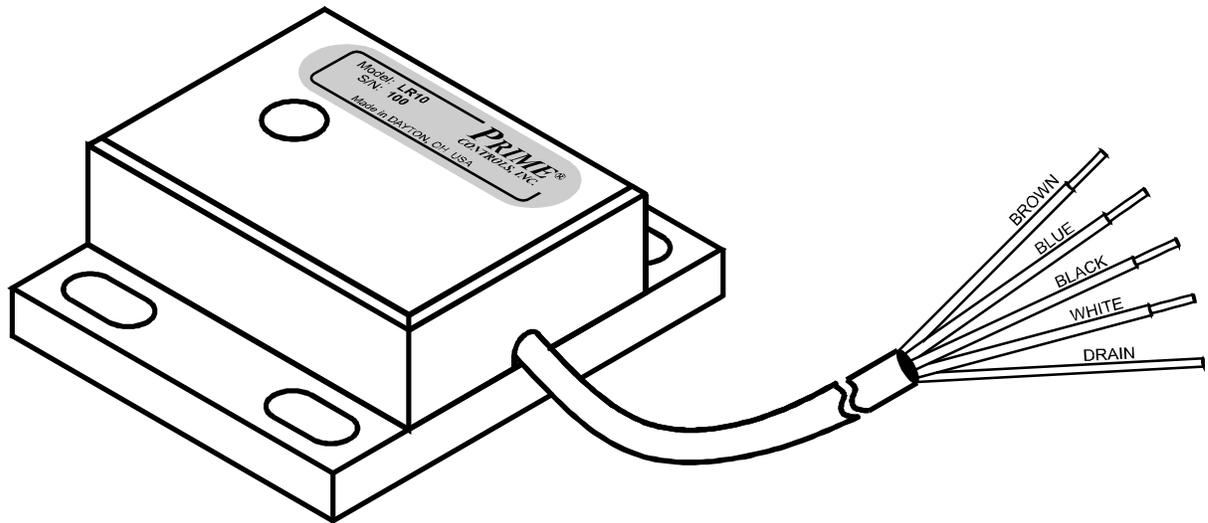


OPERATING INSTRUCTIONS

MODEL LR10 REJECT RECEIVER



The Prime Controls Model LR10 Reject Receiver detects the optical reject signal from the Prime Controls LT20 or Hyde Park LT19 Light Head and produces an electrical output signal in response. The LR10 is a replacement for the Hyde Park LR4 and LR5 Reject Receivers.

Electrical Connection – LR4 Replacement

Wire	Signal
Brown	Power
Blue	Common
Black	Output
White	No Connection
Shield Drain	Common

Electrical Connection – LR5 Replacement

Wire	Signal
Brown	24V Power
Blue	Common
Black	No Connection
White	Output
Shield Drain	Common

Electrical Signal Specifications

Power Supply

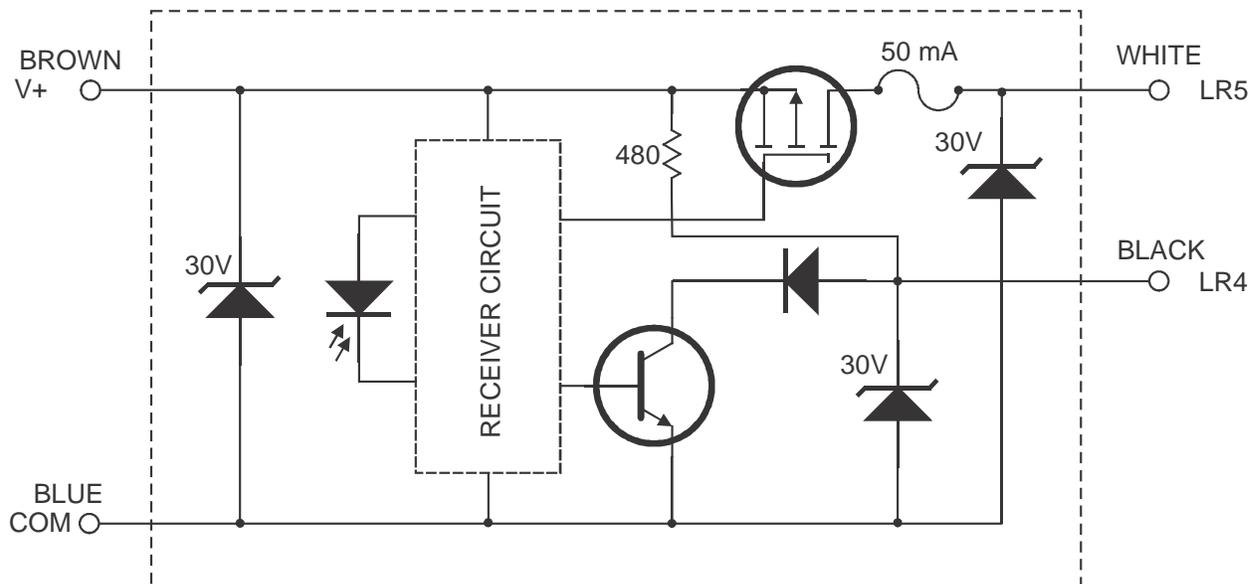
Voltage (Brown to Blue):	10 to 24 volts dc
Current Draw:	45 mA (plus load on white wire) at 24 V
Over-voltage Protection:	30V

Output Signal Specification, White Wire (LR5 Mode)

Signal Levels:	Low (Off) – 0 volts, not receiving illumination High (On) – supply voltage, receiving illumination
Signal Duration:	On at start of illumination Off 25 milliseconds after end of illumination
Transient Protection:	30 volts positive, 1 volt negative
Over-current Protection:	50 mA self-resetting thermal fuse

Output Signal Specification, Black Wire (LR4 Mode)

Signal Levels:	Low (On) – approx. 1 volt, receiving illumination High (Off) – pull up to supply voltage through 480 ohms, no illumination
Signal Duration:	On at start of illumination Off at end of illumination
Transient Protection:	30 volts positive, 1 volt negative
Over-current Protection:	None



LR10 Dimensions

