



LV-11A
Amplifier Unit, Main Unit, NPN



*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

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This model has been discontinued.

Compliance with the certification standard is ensured as of the time of shipment from our company.

Contact Us: 1-888-539-3623

Recommended Replaceable Products: [Multi-Purpose Digital Laser Sensor - LV-N series](#)

Specifications

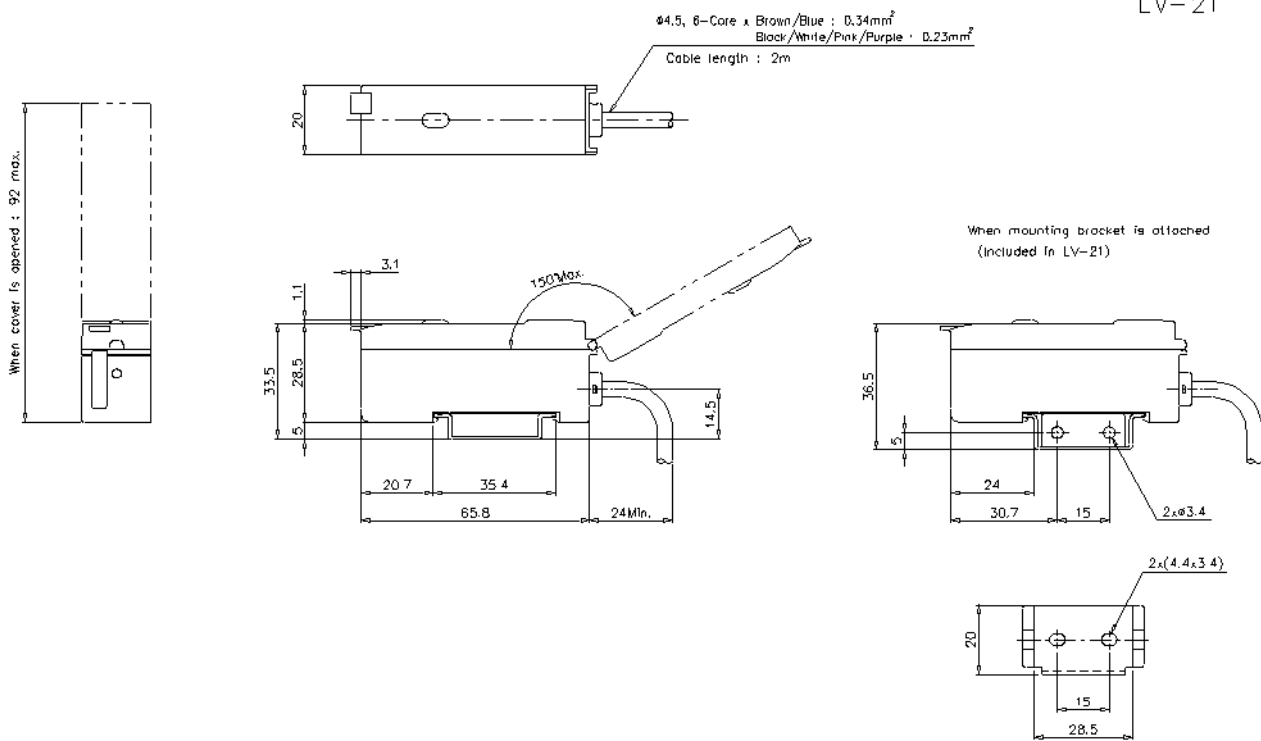
Model		LV-11A
Main unit/expansion unit		Main unit
Applicable model		LV-H41 / H51
FDA (CDRH) Part 1040.10		Class I
Control output		NPN open-collector x 2 channels, 40 VDC max., max. 100 mA, residual voltage (1.0 V max.)
Response time	LV-S31standard mode	500 μs
Protection circuit		Reversed polarity protection, over-current protection, surge absorber
Operation mode		LIGHT-ON/DARK-ON (switch-selectable)
Unit expansion		Up to 7 additional expansion units can be installed (8 units including the main unit),
External calibration input		Input response time: 20 ms min.
Rating	Power voltage	12 to 24 VDC, Ripple (P-P) 10 % or less
	Power consumption	1.5 W max. (125 mA max. for 12 V, 62.5 mA max. for 24 V)
Environmental resistance	Ambient temperature	-10 to +55 °C 14 to 131 °F (No freezing)*1
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z directions
Material	Main unit	Polycarbonate
	Case	
Weight		Approx. 120 g

*1 To connect several units they must be mounted on a METAL DIN rail. Ensure that the output current is 20 mA max. With several units connected, the allowable ambient temperature range varies as follows: 1 to 2 units connected: -10 to +55 °C 14 to 131°F, 3 to 10 units connected: -10 to +50 °C 14 to 122°F, 11 to 16 units connected: -10 to +45 °C 14 to 113°F

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

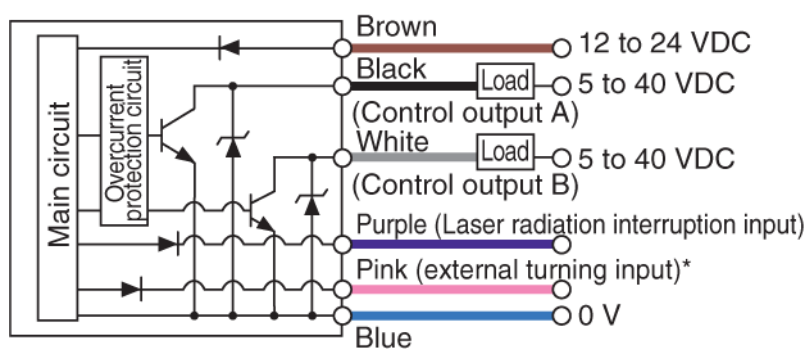
LV-21



I/O Circuit Connection diagram

* Download CAD file or product manual for larger image/text and more detail.

NPN



* Orange (monitor output) only for LV-51M

Laser radiation interruption (main unit only)

External calibration input

NPN

