

# LV-21A

Amplifier Unit, Main Unit, NPN

CE

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

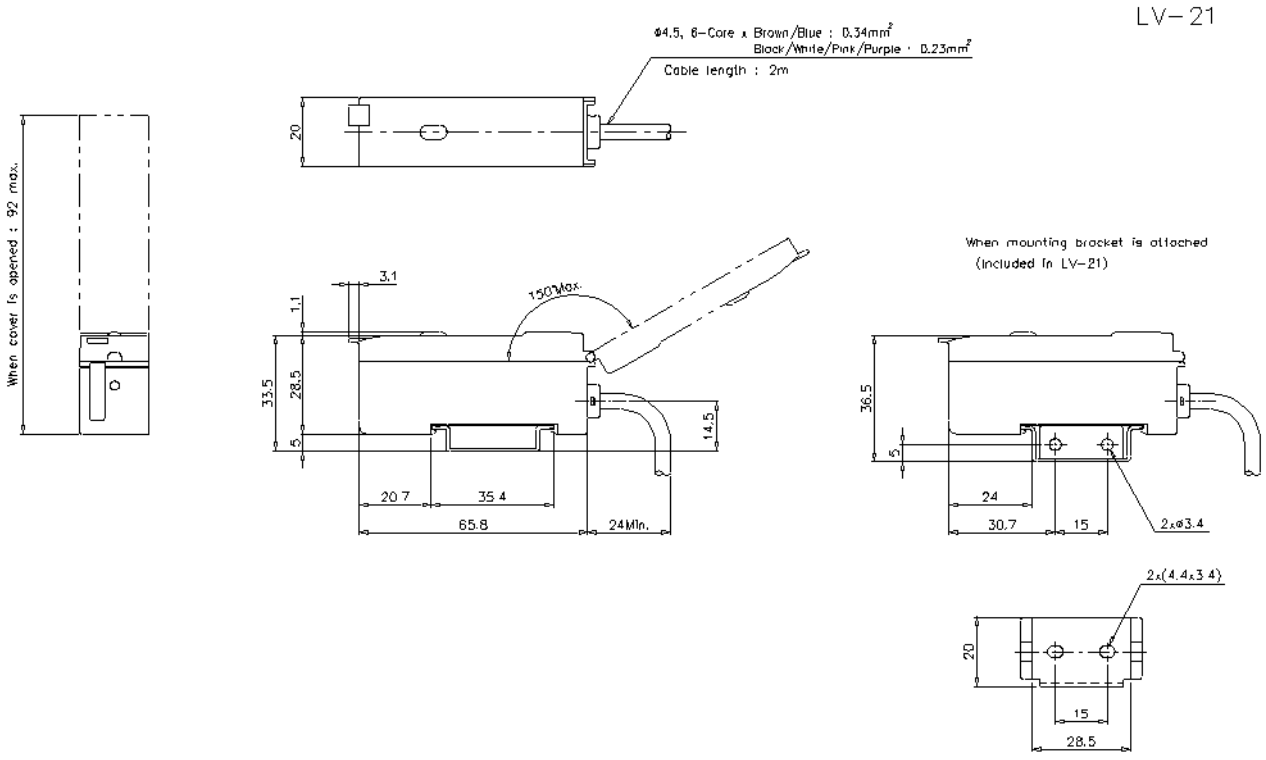
## Specifications

| | | |
|---|---|---|
| Model | | LV-21A |
| Type | | NPN output |
| Main unit/expansion unit | | Main unit |
| Control output | | NPN open-collector x 2 channels, 40 VDC max., max. 100 mA, residual voltage (1.0 V max.) |
| Response speed | | FINE : 80 µs , TURBO : 500 µs , SUPER , TURBO : 4 ms |
| Number of interference preventive units | | FINE : None , TURBO : 2 units , SUPER : 4 units |
| Protection circuit | | Reversed polarity protection, over-current protection, surge absorber |
| Unit expansion | | Up to 7 additional expansion units can be installed (8 units including the main unit), |
| 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) |
| Material | Main unit | Polycarbonate |
| | Case | |
| Weight | | Approx. 120 g |

*1 When several units are connected, the ambient temperature requirement varies depending on the total number of units connected.
When 2 to 5 units: -10 to +50 °C 14 to 122 °F
When 6 to 7 units: -10 to +45 °C 14 to 113 °F
When connecting several units, be sure to mount the units to a metallic DIN rail. Make sure that the output current does not exceed 20 mA.

# Dimensions

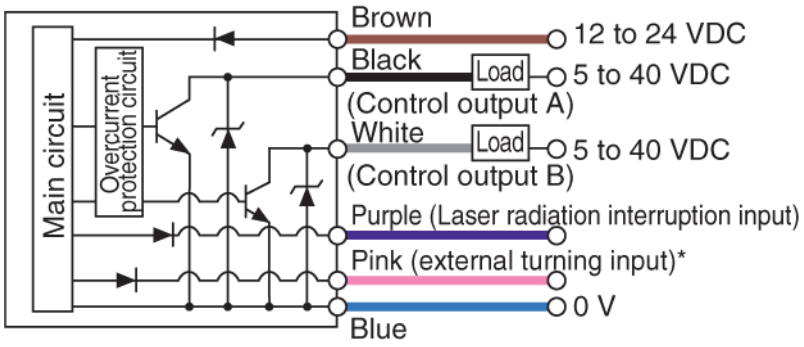
* Download CAD file or product manual for larger image/text and more detail.



# 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

