



# LV-21AP

Amplifier Unit, Main Unit, PNP



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

## Specifications

|                                         |                     |                                                                                          |
|-----------------------------------------|---------------------|------------------------------------------------------------------------------------------|
| Model                                   |                     | LV-21AP                                                                                  |
| Type                                    |                     | PNP output                                                                               |
| Main unit/expansion unit                |                     | Main unit                                                                                |
| Control output                          |                     | PNP open-collector x 2 channels, 30 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. 75 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

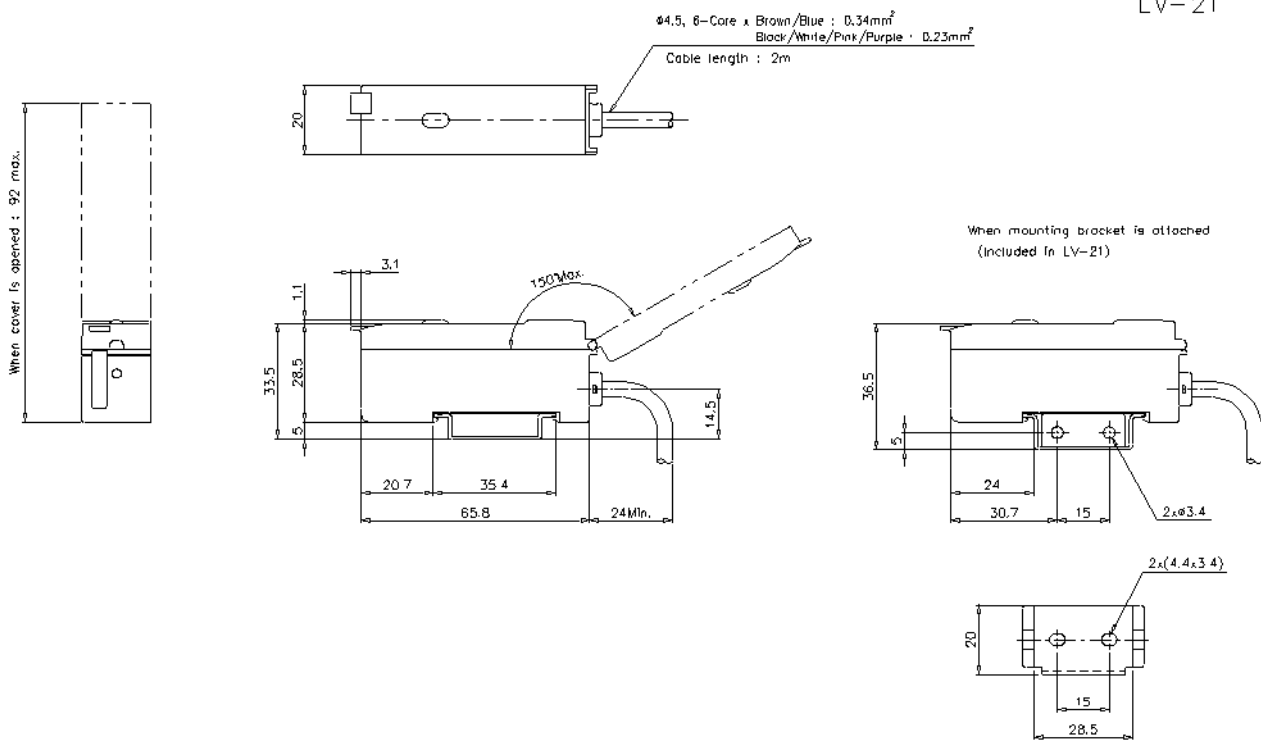
When 6 to 7 units: -10 to +45 °C 14 to 113 °F

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.

LV-21



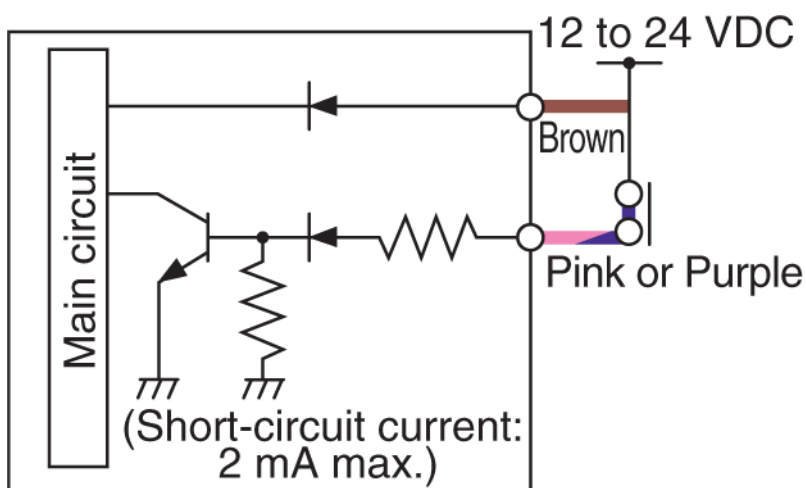
## I/O Circuit Connection diagram

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

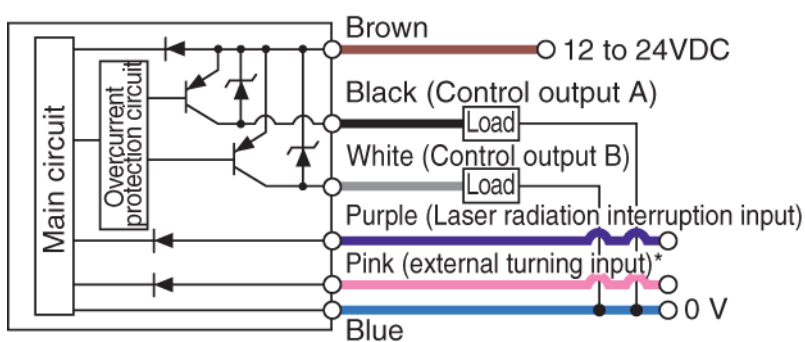
Laser radiation interruption (main unit only)

External calibration input

PNP



PNP



\* Orange (monitor output) only for LV-51MP