

IL-1050

Amplifier unit, DIN-rail mount type

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

Specifications

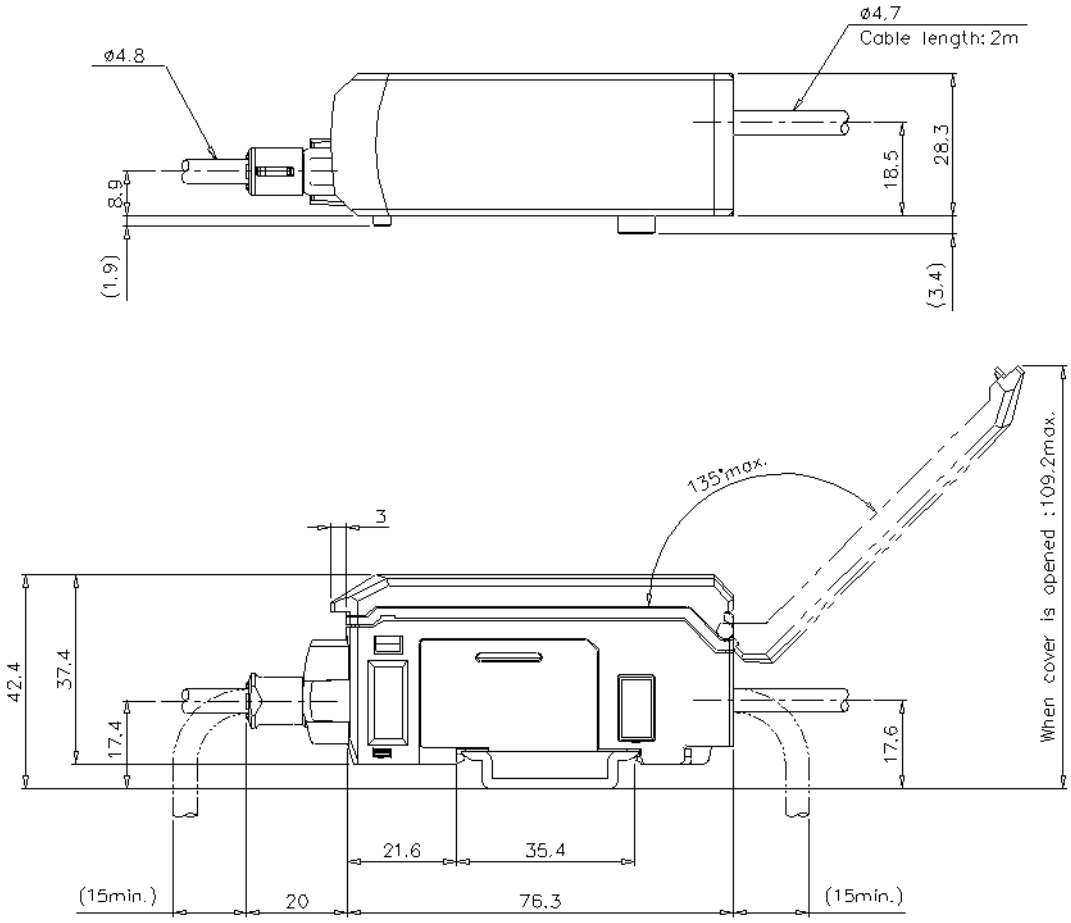
Model		IL-1050
Type		DIN-rail mount
Main unit/Expansion unit		Expansion unit
Head compatibility		Compatible
Display	Minimum displayable unit	IL-030: 1 µm, IL-065/IL-100: 2 µm, IL-300: 10 µm, IL-600: 50 µm, IL-2000: 100 µm
	Display range	IL-030/IL-065/IL-100: ±99.999 mm to ±99 mm (4 levels selectable), IL-300/IL-600: ±999.99 mm to ±999 mm (3 levels selectable), IL-2000: ±9999.9 mm to ±9999 mm (2 levels selectable)
	Display rate	Approx. 10 times/sec.
Analog voltage output		None
Analog current output		
Control input	Bank switch input	Non-voltage input*1
	Zero-shift input	
	Stop emission input	
	Timing input	
	Reset input	
Control output	Judgement output	Open collector output (NPN, PNP changeover possible/N.O., N.C. changeover possible)*2
	Alarm output	Open collector output (NPN, PNP changeover possible/N.C.)*2
Current	Power voltage	Supplied by main unit*3
	Power consumption	2000 mW or less (at 30 V: 67 mA or less)
Environmental resistance	Pollution degree	2
	Ambient temperature	-10 to +50 °C 14 to 122 °F (No condensation or freezing)
	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		Case / Front sheet: Polycarbonate; Key tops: Polyacetel; Cable: PVC
Weight		Approx. 140 g (including attachments)

*1 Assign an input of your choice to the 4 external input lines before using.
*2 The NPN open collector rated output is: 50 mA max./ch (20 mA when adding an expansion unit) less than 30 V, residual voltage less than 1 V (less than 1.5 V when adding over 6 units including the main unit)
The PNP open collector rated output is: 50 mA max./ch (20 mA/ch when adding expansion units), less than power voltage, and less than 2 V residual voltage (less than 2.5 V when adding over 6 units including the main unit)
*3 If there are over 6 additional expansion units, please use a power voltage of 20 to 30 V.

Dimensions

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

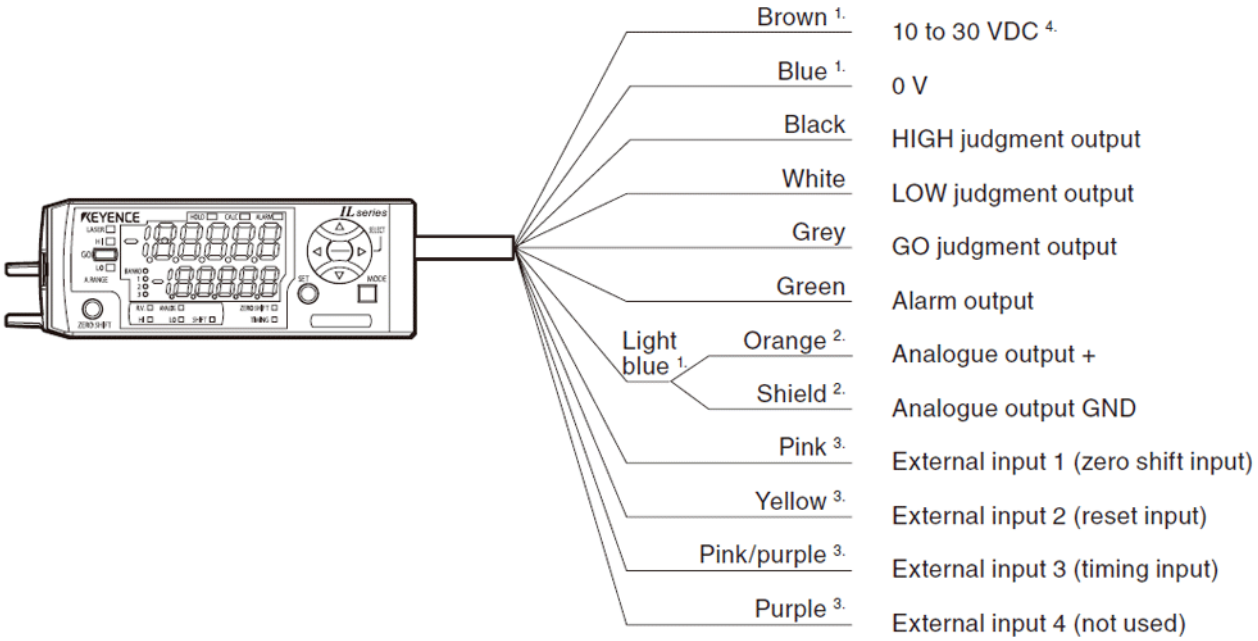
IL-1050



I/O Circuit Connection diagram

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

Wiring Diagram



1. The brown, blue, and light blue cables are not provided in a IL-1050/IL-1550 unit (expansion unit).
The power is supplied to the expansion unit from the IL-1000/IL-1500 unit (main unit).
2. For an analogue output, OFF (not used), 0 to 5 V, ±5 V,
1 to 5 V, or 4 to 20 mA can be selected.
3. For an external input, bank A input, bank B input, laser emission stop input, or OFF (not used) can also be selected.
For details, refer to the User's Manual.
4. If there are over 6 additional expansion units, please use a power voltage of 20 to 30 V.