

PG-610

Amplifier Unit

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

Specifications

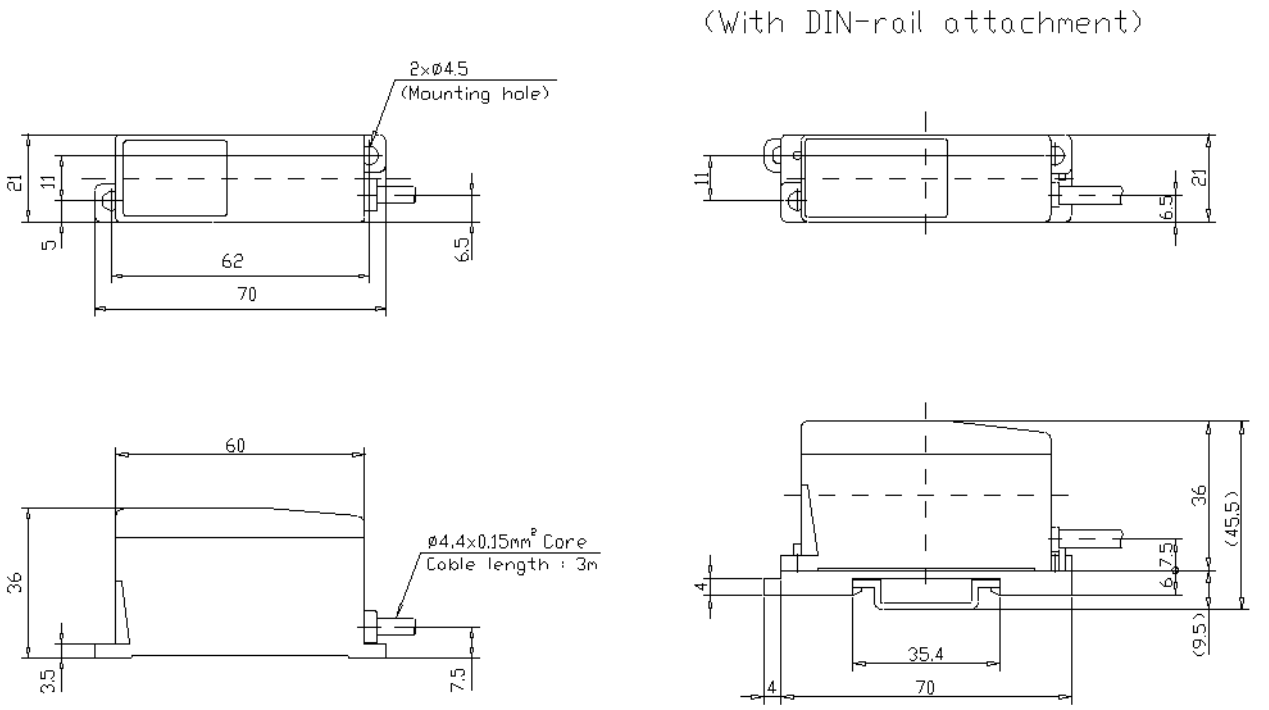
Model		PG-610
Type		Amplifier
Detecting area		21 x 21 mm 0.83" x 0.83"
Minimum detectable object		0.5 mm 0.02" dia. min. opaque materials
Light source		Infrared LED
Sensitivity adjustment		1-turn trimmer
Indicator lamp		Output: Red LED, Stable operation: Green LED
Output	Control output	NPN: 100 mA max. (40 V max.) Residual voltage: 1 V max.*1
	Self-diagnostic output	NPN: 100 mA max. (40 V max.) Residual voltage: 1 V max.*2
	Response time	0.2 ms*2
Off-delay time		0.5 / 70 ms (selectable)
Rating	Power voltage	12 to 24 VDC ±10 %, Ripple (P-P) 10 % or less
	Current consumption	40 mA or less
Environmental resistance	Ambient light	Fluorescent lamp: 10,000 lux max., Sunlight: 1,500 lux max.
	Ambient temperature	-10 to +50 °C 14 to 122 °F (No 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		Polycarbonate
Weight		Amplifier (including 3-m 9.8' cable): Approx. 100 g

*1 NPN output can easily be converted to PNP output by connecting the optional OP-5148 PNP Output Converter. One-shot output (ON when target passes through sensor)
*2 NPN output can easily be converted to PNP output by connecting the optional OP-5148 PNP Output Converter.

Dimensions

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

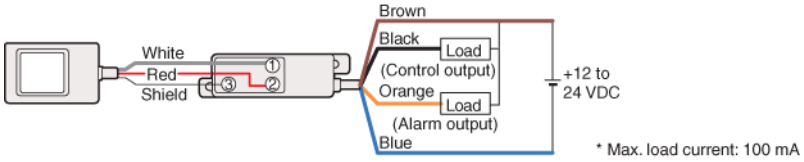
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I/O Circuit Connection diagram

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

Connections



* Max. load current: 100 mA