

PX-10

Amplifier Unit, Cable Type, NPN

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

Specifications

Model		PX-10
Type		Cable type
Output		NPN
Response time		500 µs (TURBO) /1 ms (SUPER) /4 ms (ULTRA) /16 ms (MEGA)
Output selection		LIGHT-ON/DARK-ON
Indicator lamp		- Operation indicator : Red LED x 2, DSC orange LED x 1 - Dual digital monitor : Dual 7-segment display [Preset value (4-digit green LED) and current value (4-digit red LED) illuminated together, current value range : 0 to 65504, excess gain : 0 P to 999 P] - Hold function : Possible to display both peak and bottom hold values. Selectable from 5 variations. - Bar LED monitor [Excess gain displayed (85% to 115% in 7 steps)] - Scaling display
Detection mode		Light intensity (automatic sensitivity-tracking function provided)/ [Limit light intensity/output monitor]
Shift function		Variable between –1999 and 9999
Timer function		Timer OFF/OFF-delay/ON-delay/One-shot/ON-delay, OFF-delay/ON-delay, One-shot Timer duration selectable : 1 ms to 9999 ms Maximum error against the setting value : 10% max.
Control output		NPN open-collector 40 V, 100 mA max. for an output/100 mA max. for two outputs, residual voltage 1 V max.
External input		Input time 2 ms (ON)/20 ms (OFF) min.
Interference prevention		Up to 4 units (in all power modes)*1
Rating	Power voltage	12 to 24 VDC, Ripple (P-P) 10 % or less, Class2*2
	Power consumption	Standard mode : 50 mA max. at 24 V/55 mA max. at 12 V Power saving mode : 40 mA max. at 24 V/45 mA max. at 12 V
Environmental resistance	Enclosure rating	IEC: IP67/JEM: IP67/NEMA: 4X
	Ambient temperature	-10 to +55 °C 14 to 131 °F (No freezing)*3
	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
Case material		Housing : PBT, display : PSU, display cover/connector cover : SUS304, radiator plate : SUS304, gasket : NBR
Weight		Approx. 100 g (Including cable)

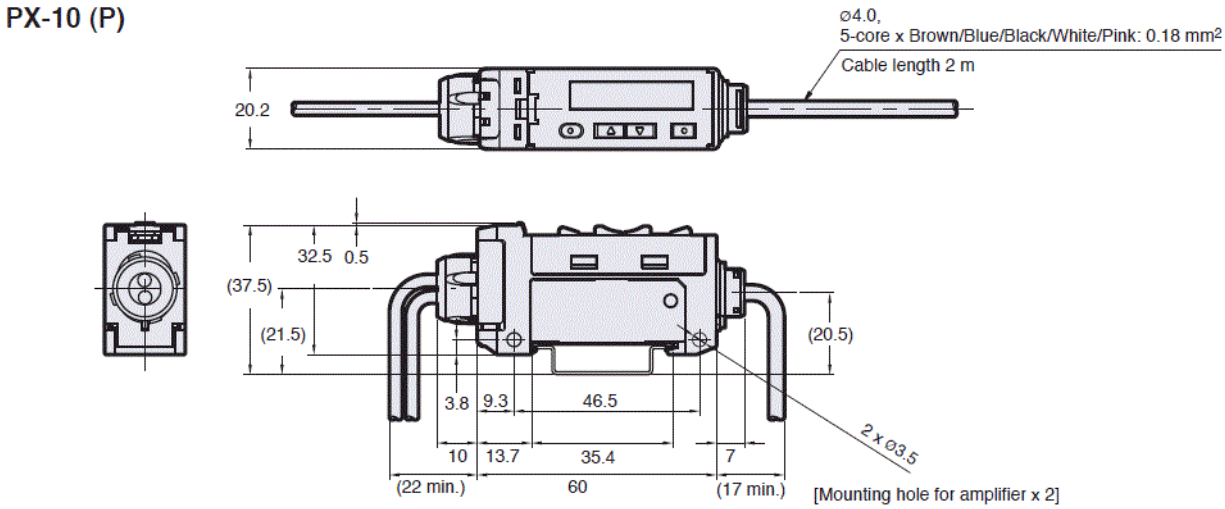
*1 The received light intensity may vary somewhat when the sensor head's cable layout is changed, so redo the sensitivity setting when changing the layout. The interference prevention function is affected
somewhat when using multiple units installed adjacent to each other. Fine-tune the sensitivity (increase the setting) for adjacent layouts.
*2 Use a 24 VDC power voltage when using a head light transmitting cable of 3 m 9.8' or more (PX-H71/H71TZ) or 10 m 32.8' or more (PX-H72).
*3 When using multiple units connected adjacently, the ambient temperature varies with the conditions below.

2 to 4 Units: -10 to +50 °C 14 to 122 °F, 5 to 17 Units: -10 to +45 °C 14 to 133 °F.

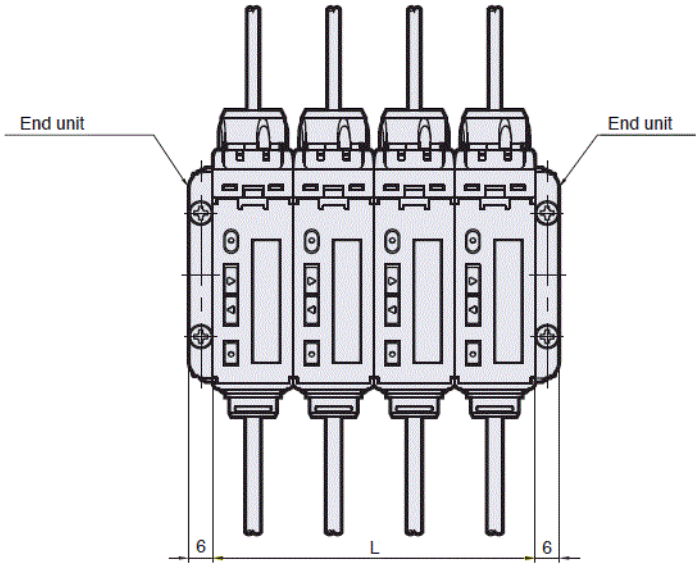
Dimensions

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

PX-10 (P)

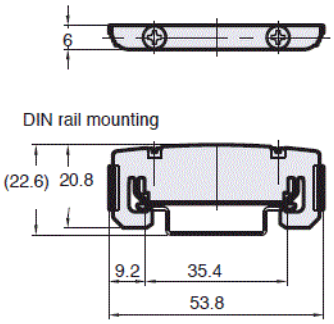


When several units are connected [PX-10(P)]



L=20.2 xN
N:Number of connected unit

End unit (OP-26751)



Unit : mm

I/O Circuit Connection diagram

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

Input/Output Circuits NPN

