



PX-10CP

Amplifier Unit, Connector Type, PNP



SPECIFICATIONS

Model	PX-10CP	
Type	Connector type	
Output	PNP	
Response time	500 μ s (TURBO) / 1 ms (SUPER) / 4 ms (ULTRA) / 16 ms (MEGA)	
Output selection	LIGHT-ON/DARK-ON	
Indicator lamp	<ul style="list-style-type: none"> - 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	PNP open-collector 30 V, 100 mA max. for an output/100 mA max. for two outputs, residual voltage 1 V max.	
External input	—	
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. 50 g	

^{*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.

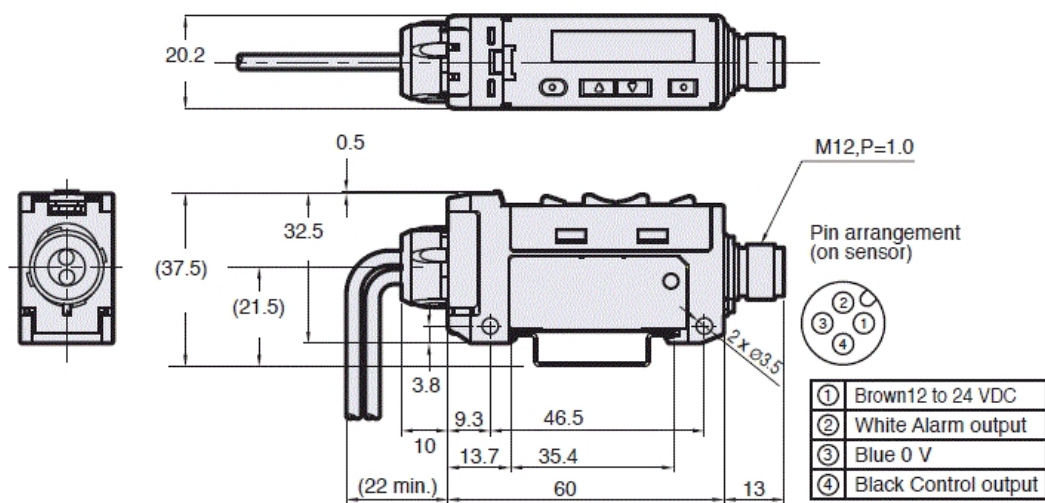
^{*2} Use a 24 VDC power voltage when using a head light transmitting cable of 3 m **9.8'** or more (PX-H71/H71TZ) or 10 m **32.8'** or more (PX-H72).

^{*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**.

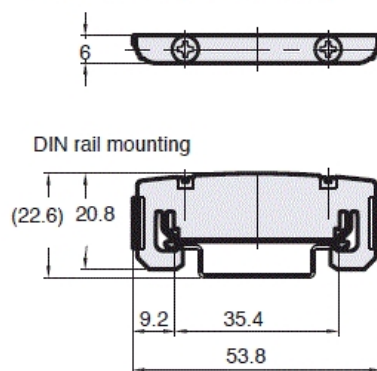
Dimensions

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

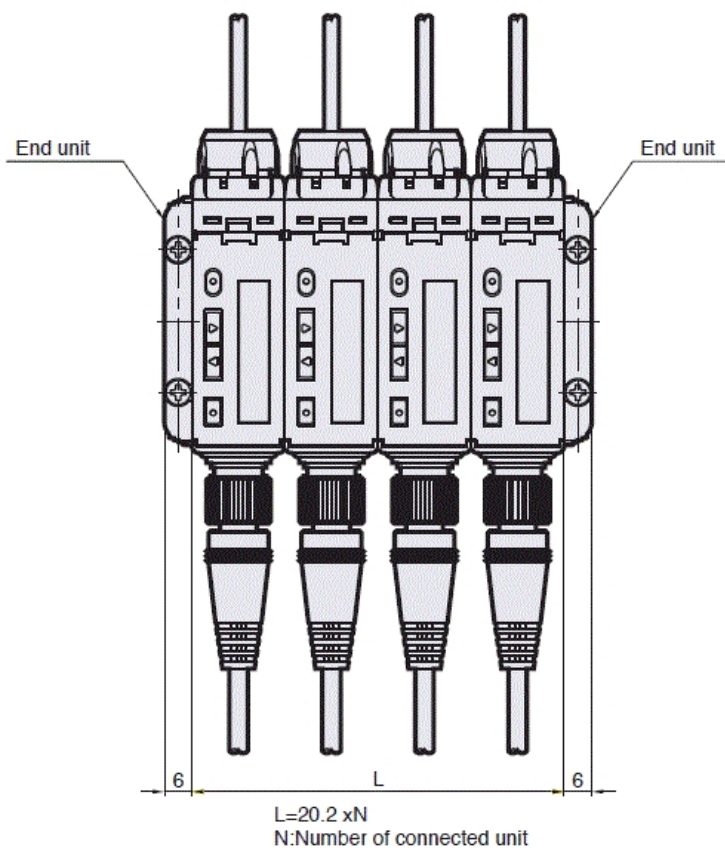
PX-10C (P)



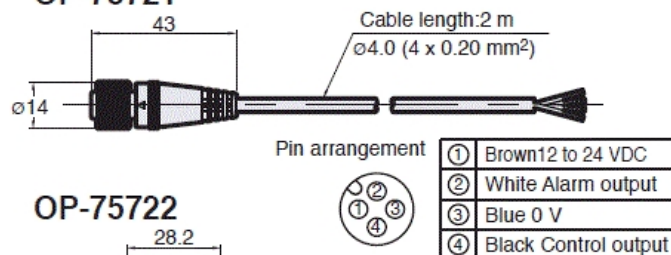
End unit (OP-26751)



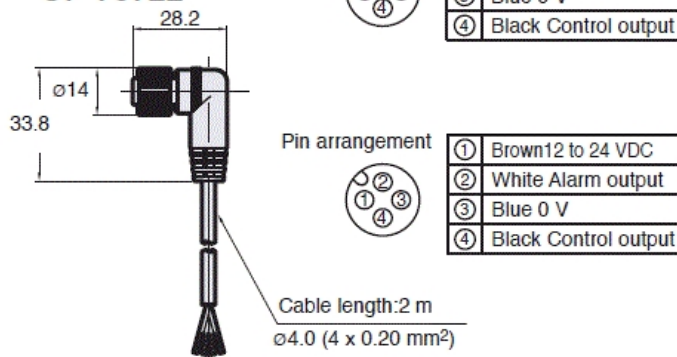
When several units are connected [PX-10C(P)]



OP-75721



OP-75722



I/O Circuit Connection diagram

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

Input/Output Circuits PNP Connector type

