

# PX-10CP

Amplifier Unit, Connector Type, PNP

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

## Specifications

| | | |
|---|---|---|
| Model | | PX-10CP |
| Type | | Connector type |
| Output | | PNP |
| 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<br>- Dual digital monitor : Dual 7-segment display<br>[Preset value (4-digit green LED) and current value (4-digit red LED) illuminated together,<br>current value range : 0 to 65504, excess gain : 0 P to 999 P]<br>- Hold function : Possible to display both peak and bottom hold values. Selectable from 5 variations.<br>- Bar LED monitor [Excess gain displayed (85% to 115% in 7 steps)]<br>- 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<br>Timer duration selectable : 1 ms to 9999 ms<br>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<br>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 |

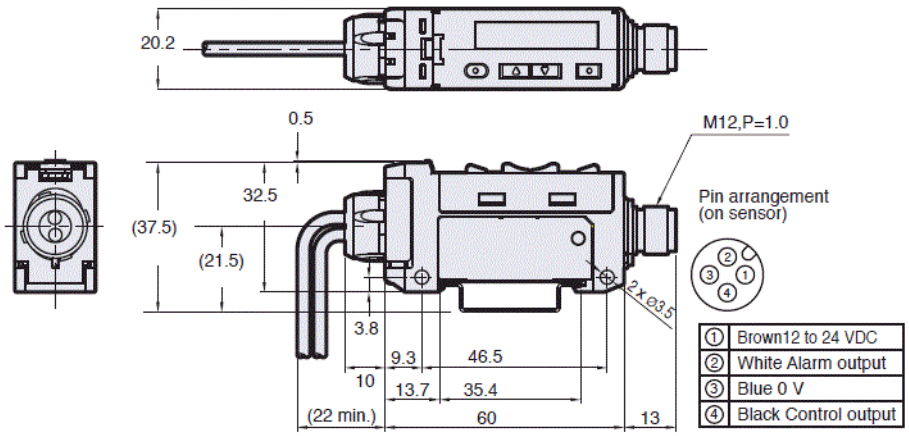
*1 The received light intensity may vary somewhat when the sensor head's cable layout is changed, so redo the sensitivity setting when changing the layout. The interference prevention function is affected
somewhat when using multiple units installed adjacent to each other. Fine-tune the sensitivity (increase 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.

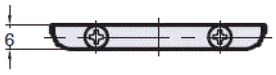
# Dimensions

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

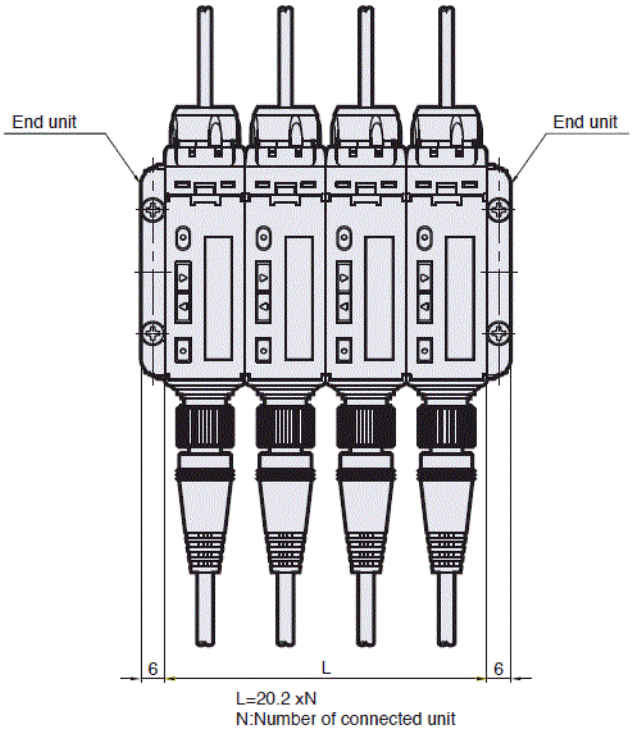
**PX-10C (P)**



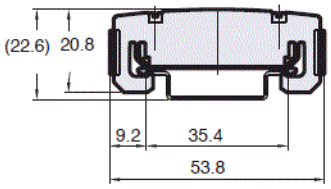

**End unit (OP-26751)**



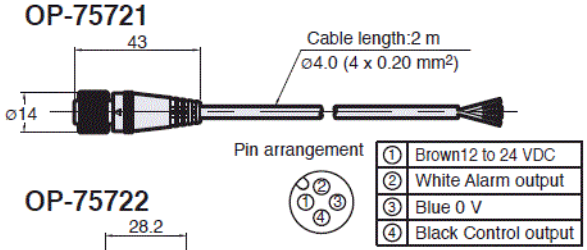

**When several units are connected [PX-10C(P)]**



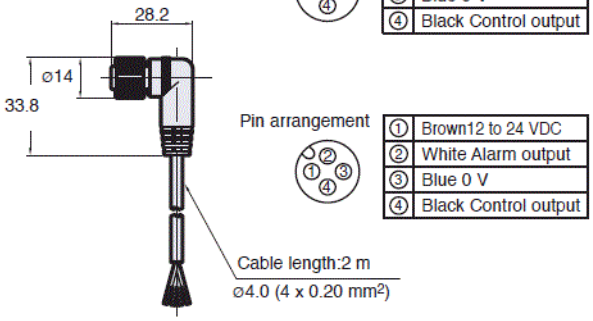

DIN rail mounting




**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

