

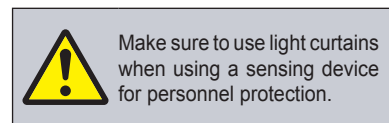
NA1-PK5 SERIES NA1-5 SERIES

Related Information

- General terms and conditions..... F-17
- Sensor selection guide P.475~
- Glossary of terms..... P.1359~
- General precautions P.1405



panasonic-electric-works.net/sunx



Even a slim hand is detectable by the 25 mm 0.984 in pitch beam area sensor

10 mm 0.394 in thick: half the thickness of conventional models

Space saving is now possible. The ultra-thin design does not obstruct picking operation.



Cable can be freely arranged in any position

Clearly visible job indicators

Bright, easy-to-see job indicators, 55 mm 2.165 in in length, have been incorporated into both the emitter and the receiver.

This sensor is optimal for picking. With the **NA1-PK5**, we've enhanced visibility even further by using 8 orange LED lights.



BASIC PERFORMANCE

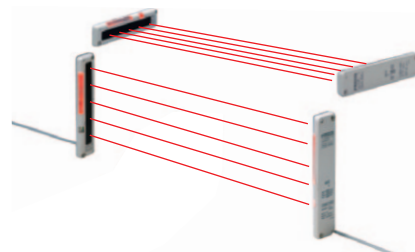
Long sensing range: 3 m 9.843 ft **NA1-5**

Its long sensing range of 3 m 9.843 ft is sufficient for confirming access to a parts shelf.

FUNCTIONS

Two unit installation is possible

Sensor units can now be set to different light emission frequencies in order to prevent mutual interference. Two units can now be operated in a side-by-side configuration without interference, for problem-free detection over wider areas.

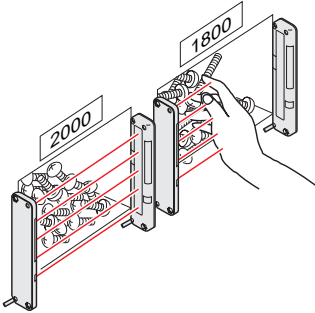


- FIBER SENSORS
- LASER SENSORS
- PHOTOELECTRIC SENSORS
- MICRO PHOTOELECTRIC SENSORS
- AREA SENSORS
- LIGHT CURTAINS
- PRESSURE / FLOW SENSORS
- INDUCTIVE PROXIMITY SENSORS
- PARTICULAR USE SENSORS
- SENSOR OPTIONS
- SIMPLE WIRE-SAVING UNITS
- WIRE-SAVING SYSTEMS
- MEASUREMENT SENSORS
- STATIC CONTROL DEVICES
- ENDOSCOPE
- LASER MARKERS
- PLC / TERMINALS
- HUMAN MACHINE INTERFACES
- ENERGY CONSUMPTION VISUALIZATION COMPONENTS
- FA COMPONENTS
- MACHINE VISION SYSTEMS
- UV CURING SYSTEMS
- Selection Guide
- Slim Body
- Picking
- Other Products

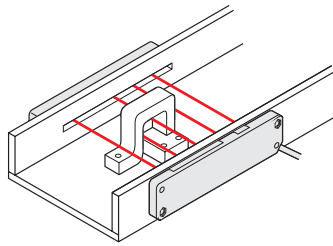
NA1-PK5/
NA1-5
NA1-PK3

APPLICATIONS

Preventing wrong parts picking



Detecting parts having wide positioning area

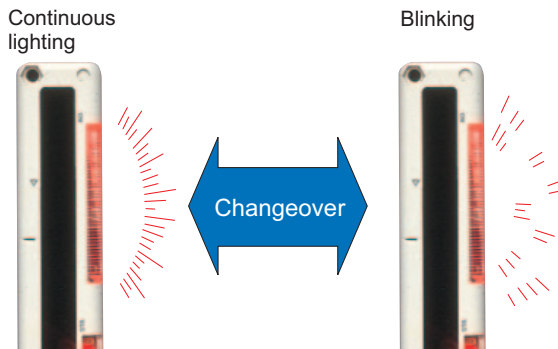


WARNING Never use this product in any personnel safety application.

FUNCTIONS

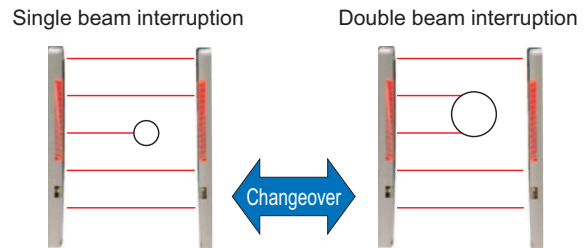
Lighting pattern selectable

The job indicator operation can be selected as either continuous lighting or blinking.



Selectable detection operation

Either of the two different detection operations may be selected in order to suit the particular application. Sensor units can be set to detect the interruption of 1 or more beam channels, or can be set to detect only the interruption of 2 or more beam channels.



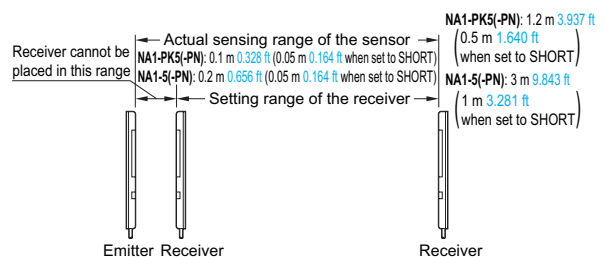
All opaque bodies with $\varnothing 35$ mm $\varnothing 1.378$ in or greater will be detected.

The accidental passage of small objects through the beam axis will not trigger detection, yet the operator's hands will always be accurately detected. This function is also useful when small objects regularly interrupt the beam axis.

ORDER GUIDE

Type	Appearance	Sensing range (Note)	Model No.	Output
High-luminous job indicator type		 0.1 to 1.2 m 0.328 to 3.937 ft (0.05 to 0.5 m 0.164 to 1.640 ft when set to SHORT.)	NA1-PK5	NPN open-collector transistor
Long sensing range type		 0.2 to 3 m 0.656 to 9.843 ft (0.05 to 1 m 0.164 to 3.281 ft when set to SHORT.)	NA1-5	NPN open-collector transistor
			NA1-PK5-PN	PNP open-collector transistor
			NA1-5-PN	PNP open-collector transistor

- Notes: 1) The sensing range is the possible setting distance between the emitter and the receiver.
 2) The model No. with "P" shown on the label affixed to the product is the emitter, "D" shown on the label is receiver.
 (e.g.) Emitter of **NA1-PK5**: **NA1-PK5P**,
 Receiver of **NA1-PK5**: **NA1-PK5D**



- FIBER SENSORS
- LASER SENSORS
- PHOTOELECTRIC SENSORS
- MICRO PHOTOELECTRIC SENSORS
- AREA SENSORS
- LIGHT CURTAINS
- PRESSURE / FLOW SENSORS
- INDUCTIVE PROXIMITY SENSORS
- PARTICULAR USE SENSORS
- SENSOR OPTIONS
- SIMPLE WIRE-SAVING UNITS
- WIRE-SAVING SYSTEMS
- MEASUREMENT SENSORS
- STATIC CONTROL DEVICES
- ENDOSCOPE
- LASER MARKERS
- PLC / TERMINALS
- HUMAN MACHINE INTERFACES
- ENERGY CONSUMPTION VISUALIZATION COMPONENTS
- FA COMPONENTS
- MACHINE VISION SYSTEMS
- UV CURING SYSTEMS

- Selection Guide
- Slim Body
- Picking
- Other Products

NA1-PK5/NA1-5
NA1-PK3