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Area Sensors: NA2-N Dimensions

Automation Control Products

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 - NA1-5/PK5
 - NA1-PK3
 - NA2-N**
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Overview

Part Numbers

Specifications

Dimensions

Dimensions/model drawings for this product appear below.

Download NA2-N product catalog in PDF format for more in-depth information

CAD data is available for this product (results open in a new window):

NA2-N CAD data

Units are usually notated in **millimeters (mm)**.
(For some products, additional measurements may also be provided - notated as **inches (in)** or **inches (in)**).

NA2-N □ NA2-N □ -PN

Sensor

Emitter

2-ø4.6 ø0.181 supplementary mounting holes, 1.1 0.043 deep

13 0.512

30 1.181

18 0.709

2-ø4.5 ø0.177 mounting through holes, M4 nut seats, 3.3 0.130 deep

Last beam channel mark

Job indicator (Red)

Emitting indicators (Green)

102 4.016

Sensing height

A B C

Beam pitch

D Operation mode selection switch (Note)

20 0.787

25 0.984

5 0.197 First beam channel mark

ø3.7 ø0.146 cable, 3 m 9.843 ft long

4.8 0.189

Note:
Located on the right side in case of NA2-N8(-PN).

Receiver

2-ø4.6 ø0.181 supplementary mounting holes, 1.1 0.043 deep

2-M4 nut seats, 1.1 0.043 deep

Job indicator (Red)

Stable incident beam indicator (Green)

Operation indicator (Red)

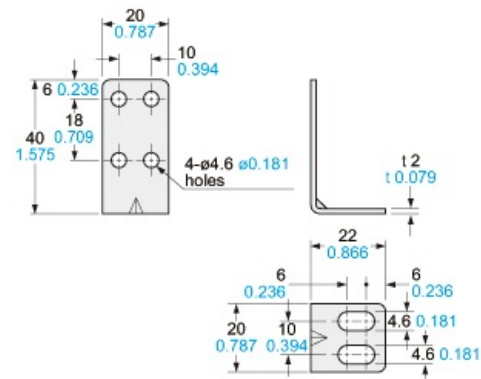
Job indicator (Red)

Model No.	A	B	C	D
NA2-N8(-PN)	140 5.512	180 7.087	190 7.480	52 2.047
NA2-N12(-PN)	220 8.661	260 10.236	270 10.630	84 3.307
NA2-N16(-PN)	300 11.811	340 13.386	350 13.780	124 4.882
NA2-N20(-PN)	380 14.961	420 16.535	430 16.929	164 6.457
NA2-N24(-PN)	460 18.110	500 19.685	510 20.079	204 8.031
NA2-N28(-PN)	540 21.260	580 22.835	590 23.228	244 9.606

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MS-NA1-1

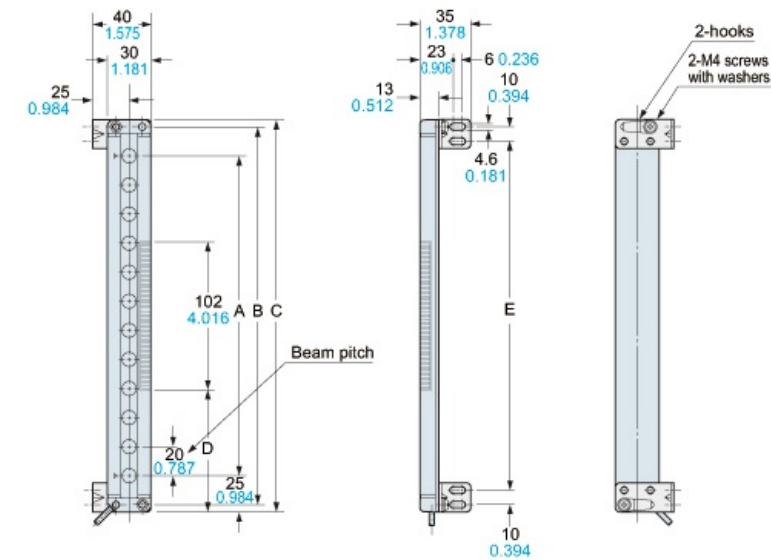
Sensor mounting bracket (Optional)



Material:
Cold rolled carbon steel (SPCC)
(Uni-chrome plated)
Four bracket set
[Eight M4 (length 18 mm 0.709 in) screws with washers (Four screws with washers are used), eight nuts, four hooks, and four M4 (length 15 mm 0.591 in) screws with washers are attached.
M4 (length 15 mm 0.591 in) screws with washers are not used for NA2-N series.]

Assembly dimensions

Mounting drawing with the receiver

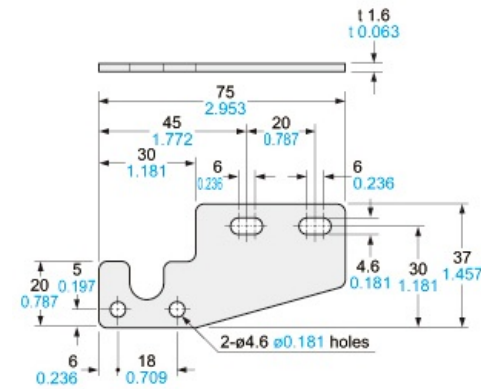


Model No.	A	B	C	D	E
NA2-N8(-PN)	140 5.512	180 7.087	190 7.480	52 2.047	160 6.299
NA2-N12(-PN)	220 8.661	260 10.236	270 10.630	84 3.307	240 9.449
NA2-N16(-PN)	300 11.811	340 13.386	350 13.780	124 4.882	320 12.598
NA2-N20(-PN)	380 14.961	420 16.535	430 16.929	164 6.457	400 15.748
NA2-N24(-PN)	460 18.110	500 19.685	510 20.079	204 8.031	480 18.898
NA2-N28(-PN)	540 21.260	580 22.835	590 23.228	244 9.606	560 22.047

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MS-NA2-1

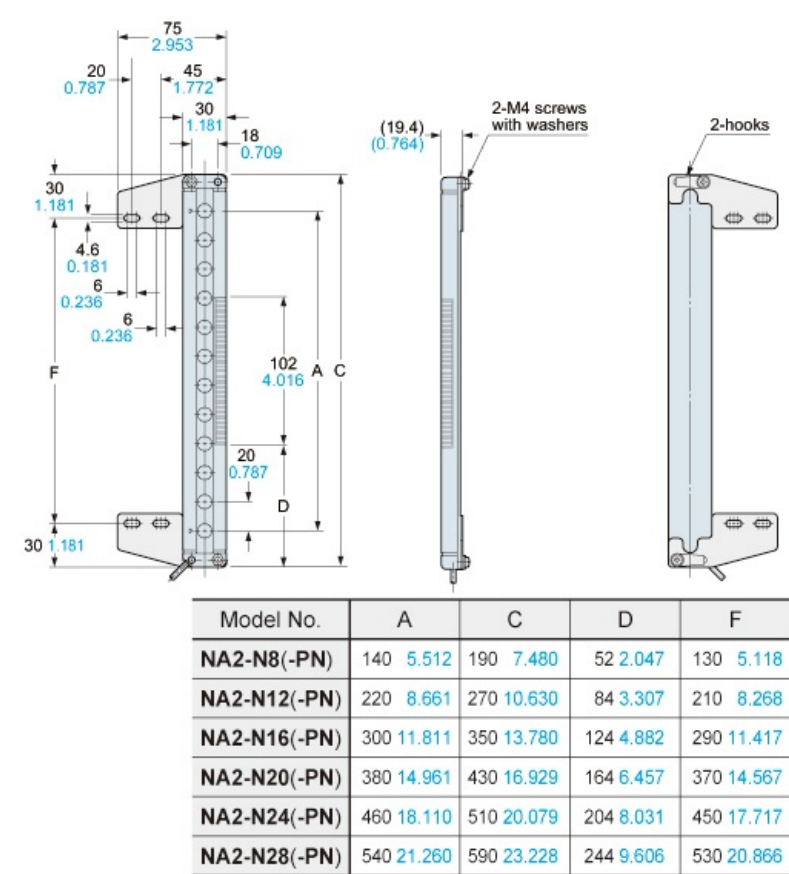
Sensor mounting bracket (Optional)



Material:
Cold rolled carbon steel (SPCC)
(Uni-chrome plated)
[Eight M4 (length 18 mm 0.709 in) screws with washers (Four screws with washers are used), eight nuts, four hooks, four spacers, and four M4 (length 15 mm 0.591 in) screws with washers are attached.
M4 (length 15 mm 0.591 in) screws with washers are not used for NA2-N series.]

Assembly dimensions

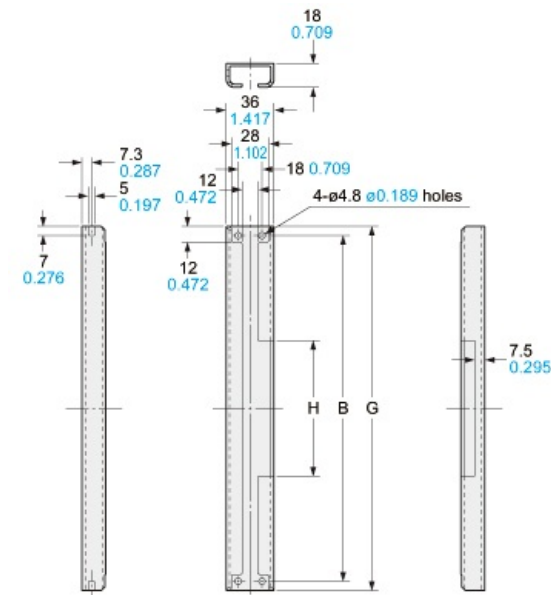
Mounting drawing with the receiver



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MS-NA3-N□

Sensor supporting bracket (Optional)

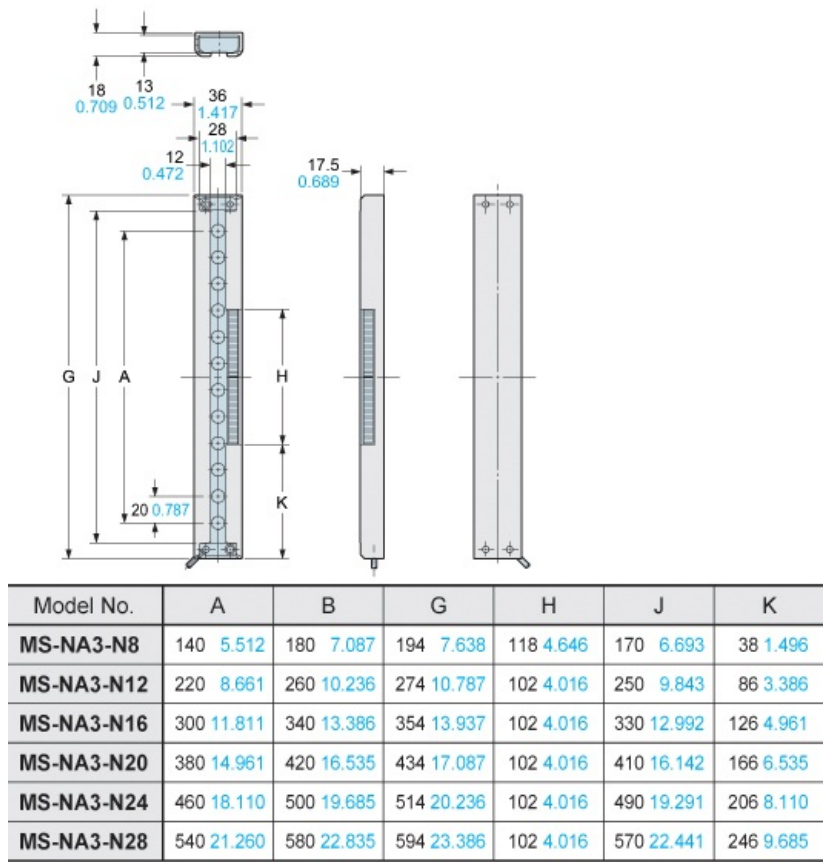


Material:
Aluminum (Black ALMTE)
Two bracket set

Note:
The sensor supporting bracket can be used for both the emitter and the receiver.

Assembly dimensions

Mounting drawing with the receiver



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