Sensor Dimensions

OPTICAL AXIS

EMITTER OR RECEIVER ON THROUGH BEAM MODELS

4.0 [0.16]

4.0 [0.16]

15.6 [0.61]

12.8 [0.50]

3.8 [0.15]

OUTPUT LED ON RECEIVER MODELS

21.0 [0.83]

Ø3.0 [Ø0.12] THRU

0.5 [0.02]

25.4 [1.00]

31.2 [1.23]

1.9 [0.07]

2.9 [0.11]

3.0 [0.12]

Fright Ideas
Control The Fear

Diffuse Beam Sensor
617

www.frightideas.com

Bracket Dimensions

16.2 [0.64]

31.2 [1.23]

15.0 [0.59]

7.5 [0.30]

4X R

9.0 [0.35]

18.0 [0.71]

2X 6.0 [0.24]

2X 3.4 [0.13]

8.0 [0.31]

14.0 [0.55]

3.5 [0.14]

4X R

25.4 [1.00]

36.0 [1.42]

2X 3.2 [0.13]

2X 20°

2X R25.4 [R1.00]
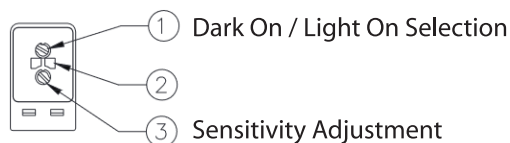
Sn: 1.5 m
Type: Class2
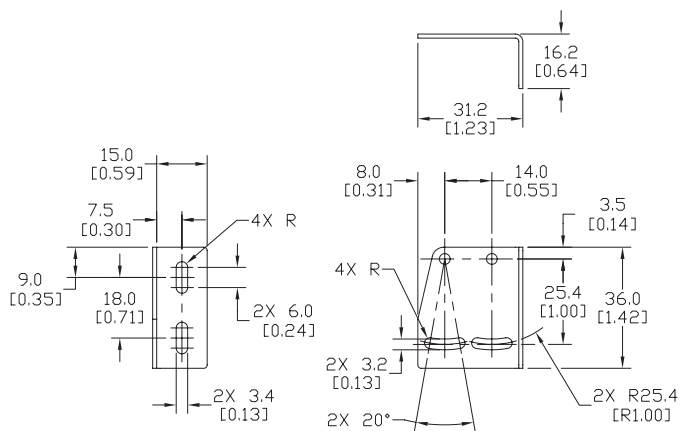
Instructions

The sensing range will vary based on the refectivity of the object. We've measured about 4 feet with a black shirt and 5.5 feet with a white shirt.

If you want the maximum sensing range turn the sensitivity adjustment fully clockwise to maximum.
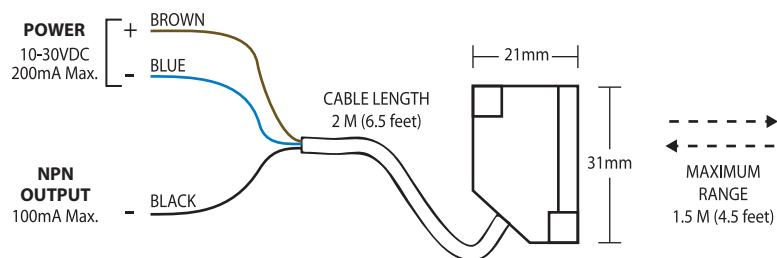
If you have a wall or other object opposite the sensor that you do NOT want to detect you may have to lower the sensitivity. Place a typical object in the sensors path. Start with the sensitivity all the way down. Then turn it up until the green light comes on.
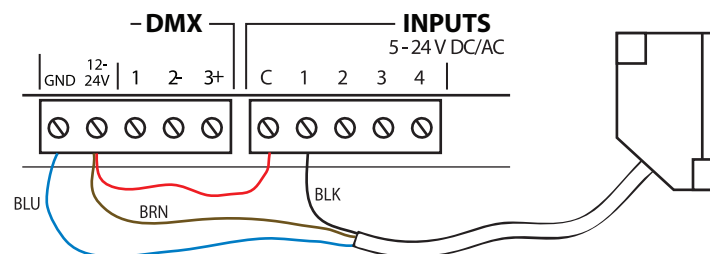
Light On / Dark On
The sensor's output can turn on when the sensor senses an object (Light On) or when it does NOT sense an object (Dark On). If the sensor is triggering the controller's input when the object is removed from the sensor's view, try another changing output modes by turning the "1" screw shown below.

① Dark On / Light On Selection

②

③ Sensitivity Adjustment

Specs and Connections

POWER
10-30VDC
200mA Max.

+ BROWN
− BLUE

NPN OUTPUT
100mA Max.
− BLACK

CABLE LENGTH
2 M (6.5 feet)

21mm

31mm

MAXIMUM RANGE
1.5 M (4.5 feet)

BooTunes, Flex, and FlexMax Wiring

DMX INPUTS
5 - 24 V DC/AC

GND | 12-24V | 1 | 2- | 3+ | C | 1 | 2 | 3 | 4

BLU
BRN
BLK

PicoBoo and PicoFX Wiring

BLU
BRN
BLK

TRIGGER AMP
− + ≥ SPKR OUT − +