Project: _____   Distr./entr.: _____

Type: _____   PO: _____   Date: _____

Technilight
SMART

TSSDE3D

12V Dual-Tech Ceiling / Wall Mount Eco Sensor

Description

The TSSDE3D motion sensor is a low-voltage, dual-technology wall or ceiling-mounted sensor combining PIR and ultrasonic technologies for high accuracy and wide coverage. It features the AlgoH2 algorithm to optimize detection while reducing false alarms. The TSSDE3D incorporates daylight harvesting and requires a lighting controller (TSBCP4AP or TSBCP2UP).

Features

• 12V DC input.

• Powered by lighting controllers (TSBCP4AP or TSBCP2UP).

• Wall or ceiling mounting.

• Dual PIR + ultrasonic technology provides high accuracy and wide coverage.

• The AlgoH2 algorithm optimizes detection and reduces false alarms.

Configuration requise

• TSBCP4AP or TSBCP2UP luminaire controller.

• TSRJ45C cable required (sold separately).

Specifications

Input voltage	DC 12V
Housing material	UL 94-V0
Indoor / outdoor Use	Indoor only
Operating temperature	-30°C ~ 55°C, -22°F ~ 131°F
Storage temperature	-30°C ~ 85°C, -22°F ~ 185°F
IP Rating	IP20
Color	White
Warranty	5 years
Compliance	RoHs
Safety	DLC: coming soon

Information subject to change without notice. Pictures for illustration purpose only.   rev. 2.5.11

www.technilight.ca   1   **819-395-1133**

Ordering information

Model	Description
TSSDE3D	12V Dual-Tech Ceiling/Wall Mount Eco Sensor, PIR and Ultrasonic, Daylight Harvesting

Ordering information - accessories

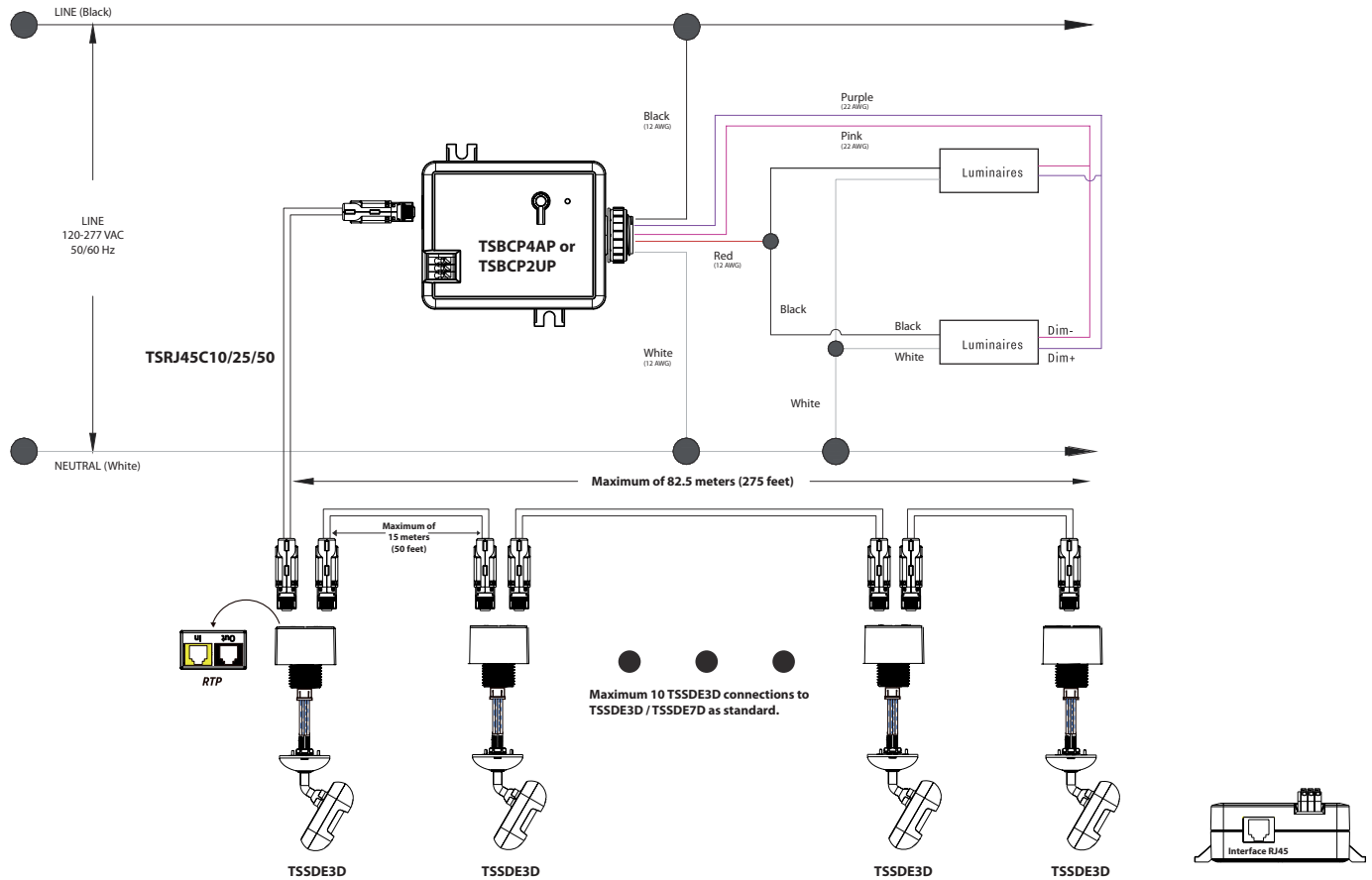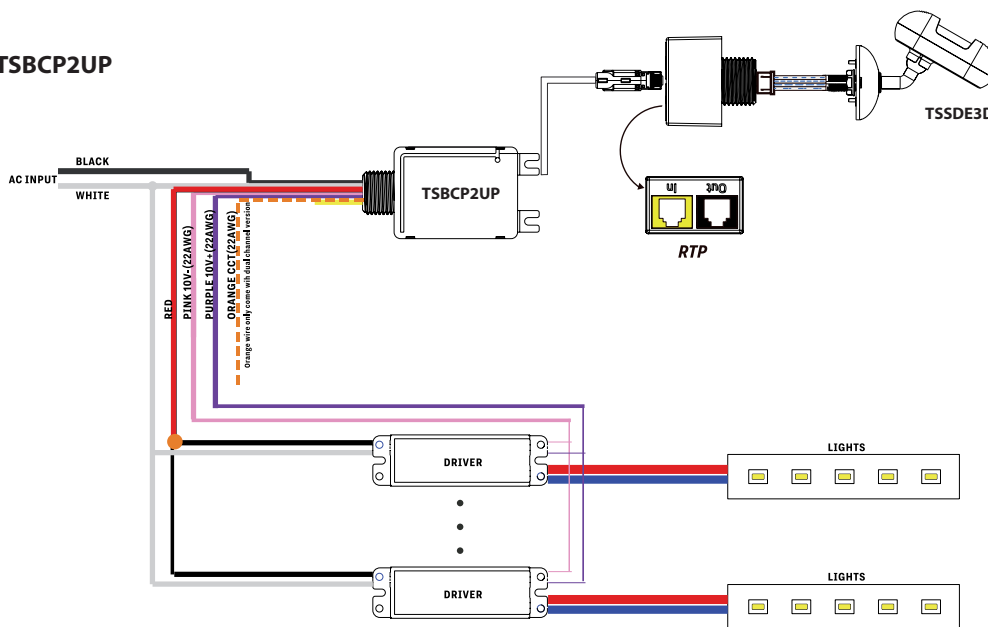| Model	Voltage	Connections	Description
TSBCP4AP	120-277V	Eco-Port / wire terminals	20A Luminaire Controller with Eco-Port
TSBCP2UP	120-347V	Eco-Port	6A Luminaire Controller with Eco-Port
TSRTP	N/A	RJ45 Eco-Port / PH2.0	Converter from RJ45 to PH2.0 connector
TSRJ45C10/25/50	N/A	N/A	CAT5e cable with RJ45 male connector on each end

Wiring
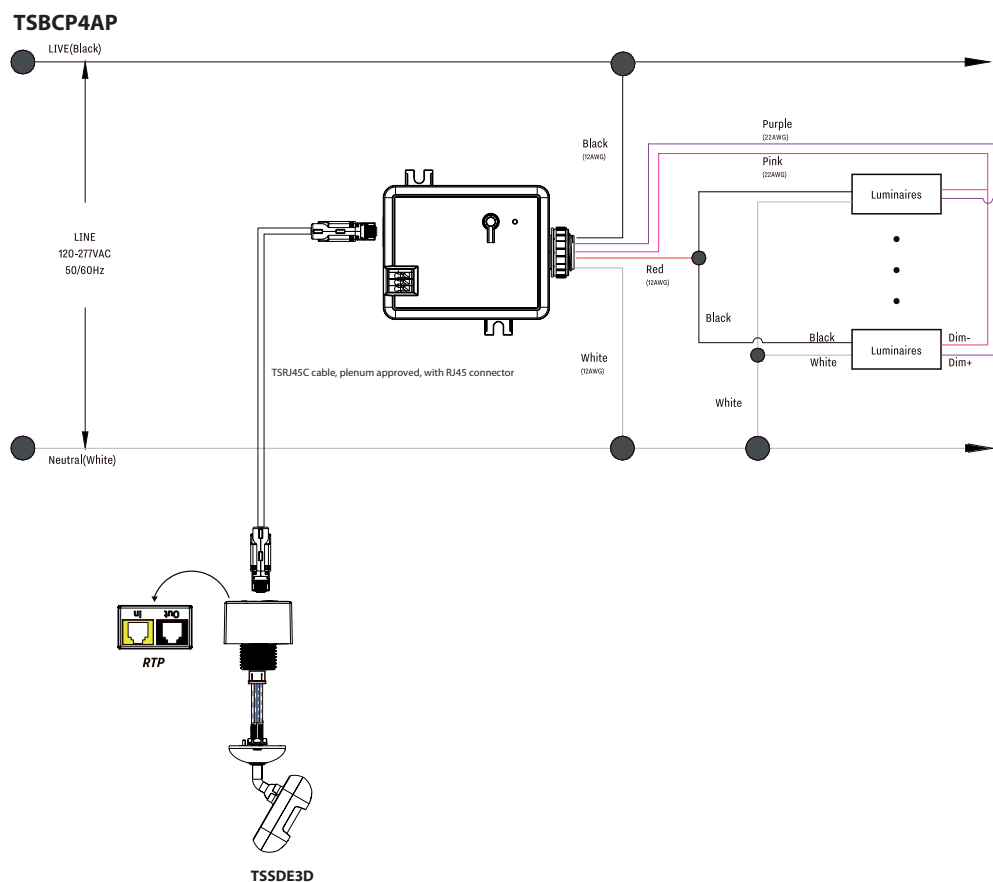
TSBCP4AP

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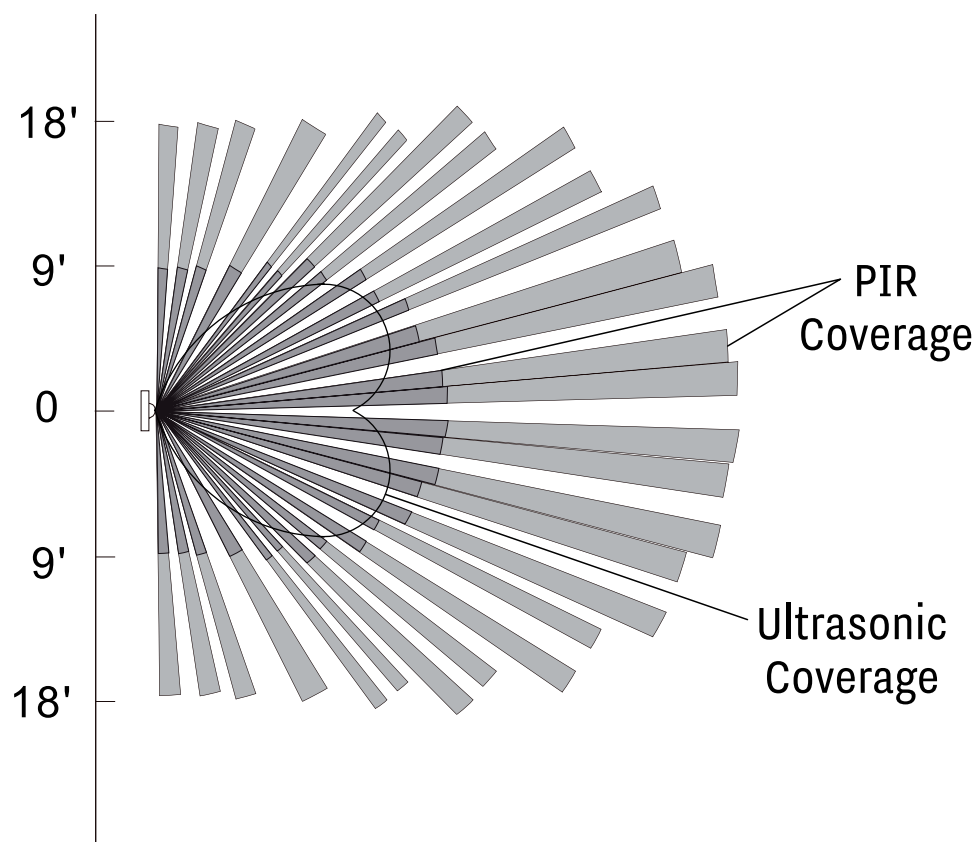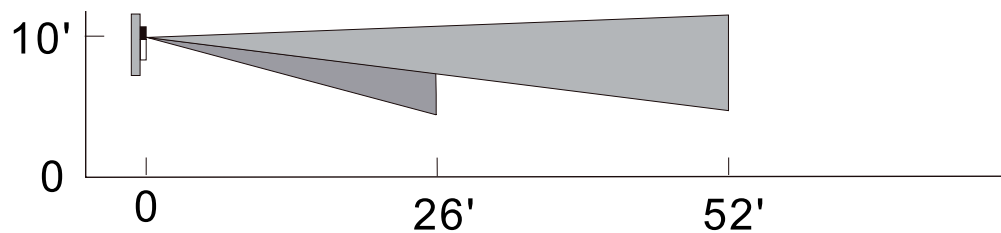
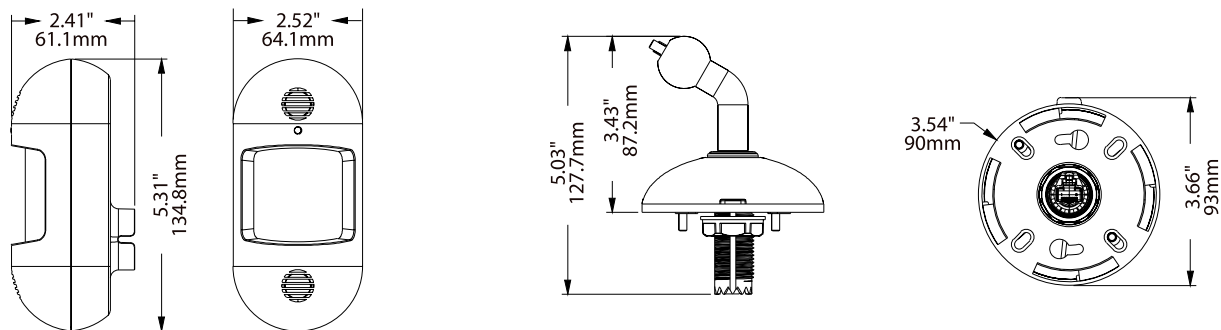LINE (Black)

Purple
(22 AWG)

Black
(12 AWG)

Pink
(22 AWG)

Luminaires

LINE
120-277 VAC
50/60 Hz

TSBCP4AP or
TSBCP2UP

Red
(12 AWG)

Black

Black

Luminaires

Dim-

White

Dim+

TSRJ45C10/25/50

White
(12 AWG)

White

White

NEUTRAL (White)

Maximum of 82.5 meters (275 feet)

Maximum of
15 meters
(50 feet)

In   Out

RTP

Maximum 10 TSSDE3D connections to
TSSDE3D / TSSDE7D as standard.

Interface RJ45

TSSDE3D   TSSDE3D   TSSDE3D   TSSDE3D

TSBCP2UP

TSSDE3D

BLACK

AC INPUT

WHITE

TSBCP2UP

In   Out

RTP

RED

PINK 10V-(22AWG)

PURPLE 10V+(22AWG)

ORANGE CCT(22AWG)
Orange wire only come with dual-channel version

DRIVER

LIGHTS

DRIVER

LIGHTS

PIR + Ultrasonic coverage top view

PIR
Coverage

Ultrasonic
Coverage

18'

9'

0

9'

18'

PIR Coverage Side View

10'

0

0   26'   52'

Dimensions

2.41"
61.1mm

2.52"
64.1mm

5.31"
134.8mm

5.03"
127.7mm

3.43"
87.2mm

3.54"
90mm

3.66"
93mm

Product label

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SMART

Install guide

Made in China

Dual Mode Eco Sensor
TSSDE3D
Input 12VDC, 30mA Keilton Eco Sensor
Not work alone Controller Required
Damp Locations

Triggered by Ultrasonic & PIR
Triggered by Ultrasonic only
Triggered by PIR only
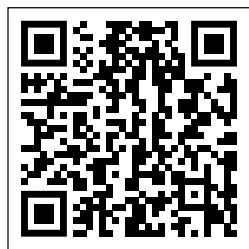Triggered by Ultrasonic or PIR

RoHS COMPLIANT

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Application

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Google play
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