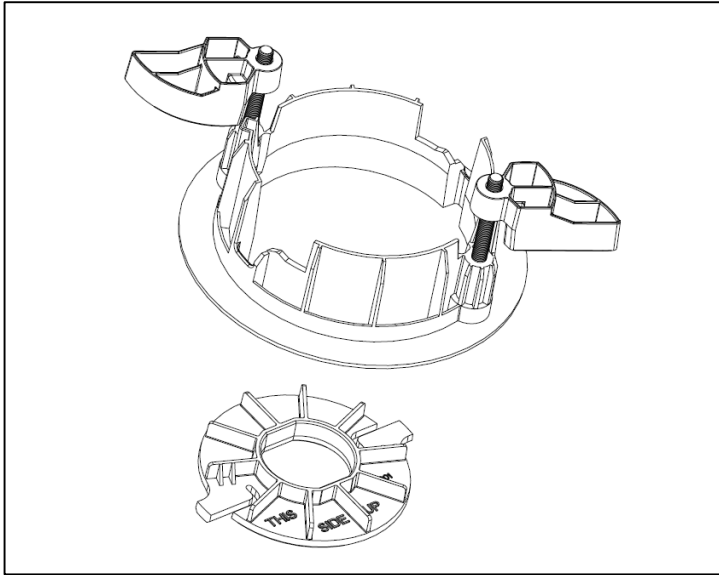# PulseLARSEN Antennas

**Series:** Accessory

**Description:** DAS Clarity Ceiling Mount Insert

**PART NUMBER: DASCLINSERT**





## Features:

- Allows one-sided (blind hole) installation.
- No above ceiling access required.
- Eliminates costly access panels
- Low PIM: Will not induce PIM into system.
- Near flush mount.
- Easy installation and removal
- Snap-in antenna assembly minimizes cable torque.
- Patent Pending
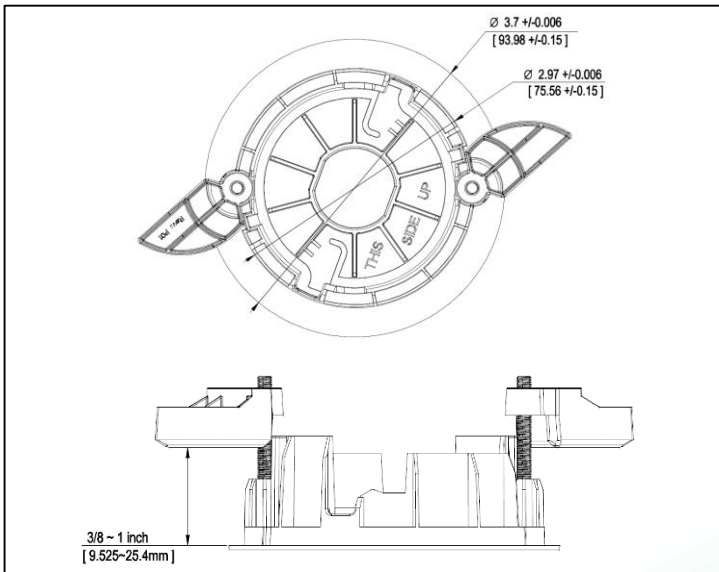
## Applications:

- Use with Clarity Family of ultra-thin ceiling mount antennas.
- Perfect for plaster, drywall and other architectural ceilings.
- Both Carrier and Public Safety DAS Installations

All dimensions are in mm / inches

For more information:

| Pulse Worldwide Headquarters | Pulse/Larsen Antennas | Europe Headquarters | Pulse (Suzhou) Wireless Products Co, Inc. |
|---|---|---|---|
| 12220 World Trade Drive | 3611 NE 112th Ave | Pulse GmbH & Do, KG | 99 Huo Ju Road(#29 Bldg,4th Phase |
| San Diego, CA 92128 | Vancouver, WA 98682 | Zeppelinstrasse 15 | Suzhou New District |
| USA | USA | Herrenberg, Germany | Jiangsu Province, Suzhou 215009 PR China |
| Tel:1-858-674-8100 | Tel: 1-360-944-7551 | Tel: 49 7032 7806 0 | Tel: 86 512 6807 9998 |

RoHS COMPLIANT

# PulseLARSEN
## Antennas

**Description**: DAS Clarity Ceiling Mount Insert
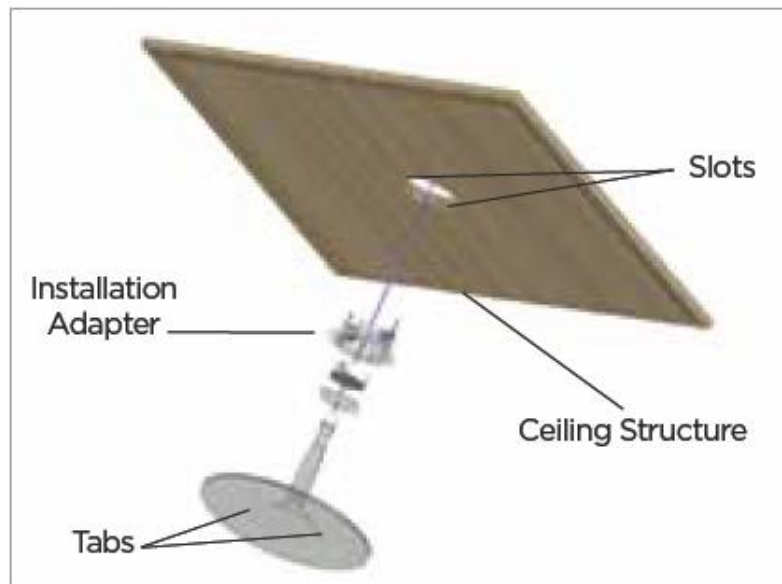
**Series:** Accessory

**PART NUMBER: : DASCLINSERT**

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**This document covers all product variants of the following product family:**

This insert assembly is used to allow Pulse Clarity Family DASUTCCXXX, DASUTWCXXX and PSUTWCXXX antennas to be installed when there is no access to the area above the ceiling (like drywall or plaster board) other than a hole to fish the wire through.

Typical Assembly using the
Clarity Installation Adapter



Slots

Installation Adapter

Ceiling Structure

Tabs

RoHS
COMPLIANT

# PulseLARSEN Antennas

**Series:** Accessory

**Description**: DAS Clarity Ceiling Mount Insert

**PART NUMBER: : DASCLINSERT**

## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Plastic radome | PC |
| Color | Clarity |
| Weight | 42 g |

## ENVIRONMENTAL SPECIFICATIONS

| | |
|---|---|
| Operating temperature | -40~85 ° C |
| Temperature | |
| Stationary | -40~85 ° C |
| Cyclic | 3 cycles Rate 5°C/min |

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# PulseLARSEN
## Antennas

**Series:** Accessory

**Description**: DAS Clarity Ceiling Mount Insert

**PART NUMBER: : DASCLINSERT**

## MECHANICAL DRAWING



Ø 3.7 +/-0.006
[ 93.98 +/-0.15 ]

Ø 2.97 +/-0.006
[ 75.56 +/-0.15 ]

THIS SIDE UP

3/8 ~ 1 inch
[ 9.525~25.4mm ]

RoHS COMPLIANT

# PulseLARSEN
## Antennas

**Series:** Accessory

**Description**: DAS Clarity Ceiling Mount Insert

**PART NUMBER: : DASCLINSERT**

## PACKAGING

Individually bagged;   48 per carton but sold individually.

## ASSEMBLY

# INSTALLATION INSTRUCTION

**Step 1,**

Drill or cut a hole 3~3.1 inches (76.2~78.74 mm) in drywall with two 0.5 inch diameter tab cutouts 180° opposed. See Figure 1 and Figure 2.
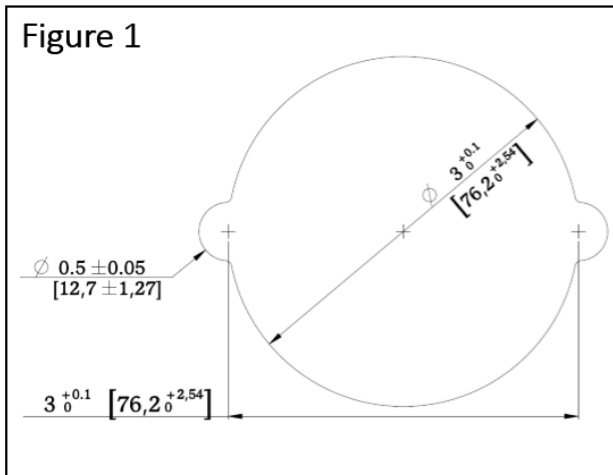
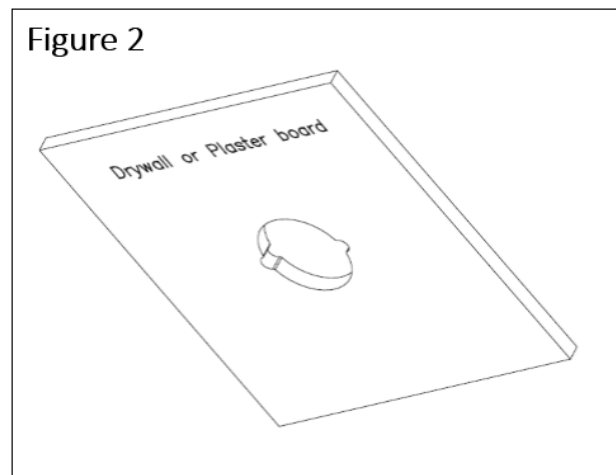**Drywall thickness range: 3/8 ~1 inch**



Figure 1

Figure 2
Drywall or Plaster board

**Step 2,**

Check the two clamps can freely swing in and out by adjusting the screw's position. See Figure 3.   Note: The clamps are limited in how far they can swing due to the side wall of the sleeve. (Shown as Figure 3)

**Screw Driver type:  2# PHILIPS DRIVE**
**Torque  < 3 lb·ft  ( 4 Nm)**

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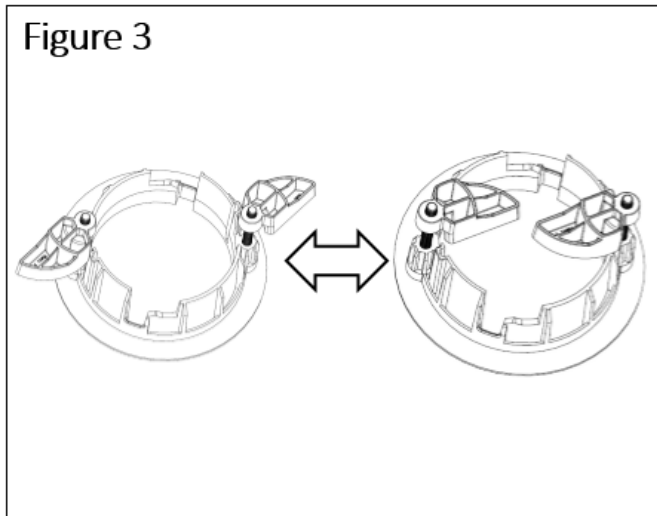**PulseLARSEN**
**A n t e n n a s**

**Series:** Accessory

**Description**: DAS Clarity Ceiling Mount Insert

**PART NUMBER: : DASCLINSERT**

## ASSEMBLY



Figure 3

**Step 3,**

Rotate the 2 clamps to the internal position, and insert mounting sleeve into the hole of drywall and tighten screws until snug. See Figure 4. The clamps will swing out and prevent extraction from the drywall.  See Figure 5. The drywall will be clamped tightly by the sleeve assembly.
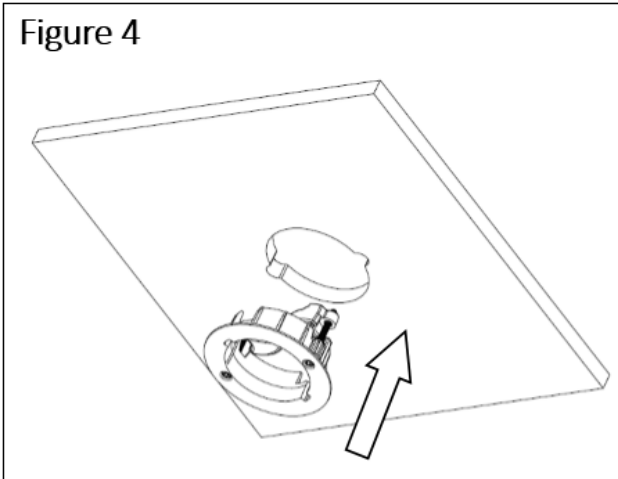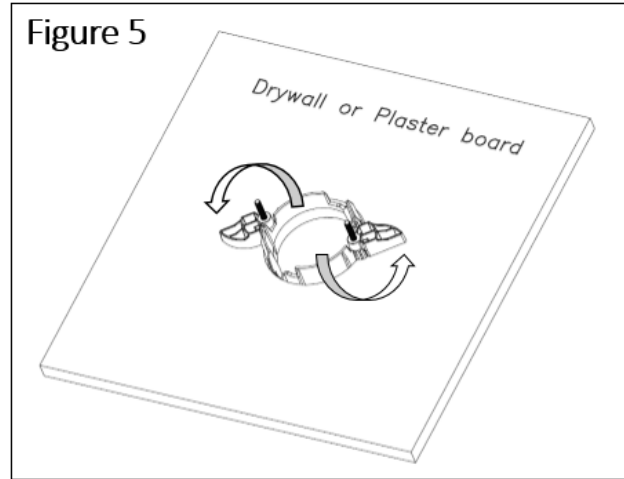


Figure 4



Figure 5

Drywall or Plaster board

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# PulseLARSEN
## Antennas

**Series:** Accessory

**Description**: DAS Clarity Ceiling Mount Insert

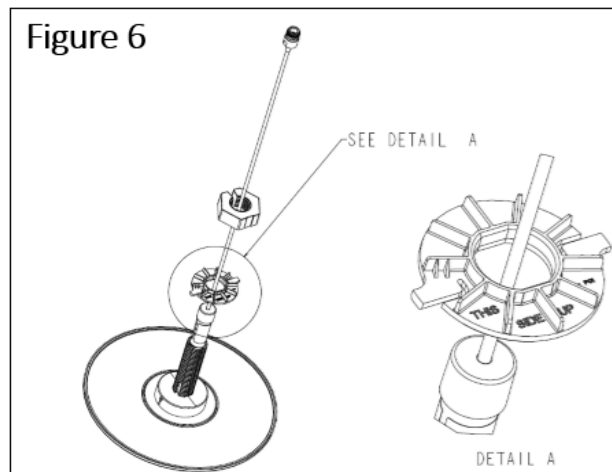**PART NUMBER: : DASCLINSERT**

## ASSEMBLY

**Step 4,**

Mount a tab ring onto the antenna and tighten nut firmly. See Figure 6.
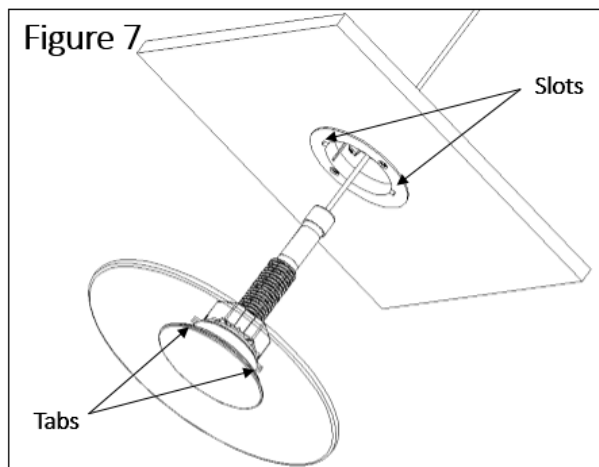
Notes:

1. The original collar in antenna assembly is not needed anymore.

2. Please pay attention the text "THIS SIDE UP" on the tab ring for the assembly direction.



Figure 6

SEE DETAIL A

DETAIL A

**Step 5,**

Align tab ring tabs with slots in mounting sleeve and insert antenna into mounting sleeve. See Figure 7.



Figure 7

Slots

Tabs

RoHS
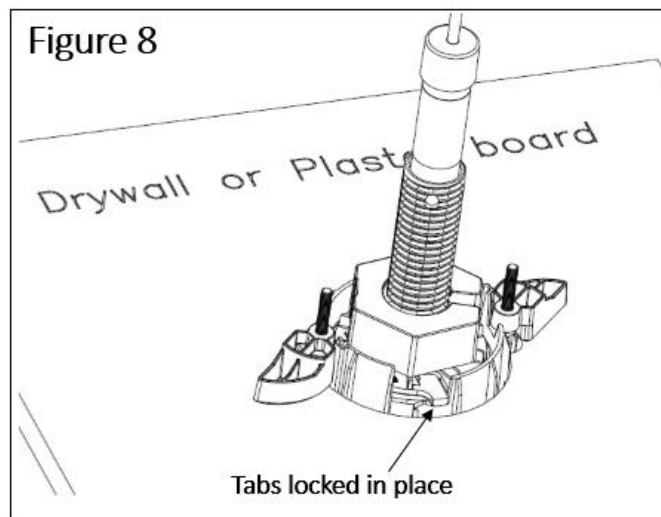COMPLIANT

## ASSEMBLY

**Step 6,**

Twist antenna clockwise 1/8th of a turn to lock in place.  Antenna is now fixed in place. See Figure 8.

Note:  Antenna is removable from mount sleeve without damage by rotating back 1/8 turn.



Figure 8

Drywall or Plasterboard

Tabs locked in place

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# Mouser Electronics

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