

Rev.	Description	EC number
A	Release	ECO-00005

## IV0XOMI136-T4 Antenna

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### Instructions for ceiling-mount antenna

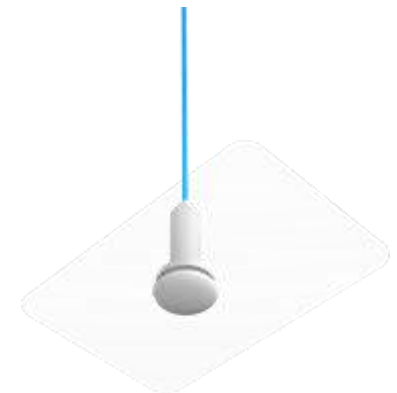
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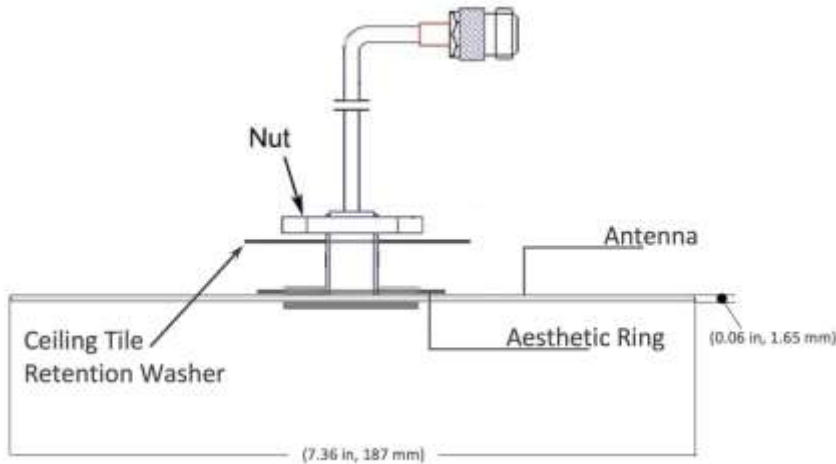


# IV0XOMI136-T4

Instructions for ceiling-mount antenna



**This is the installation guide for the IV0XOMI136-T4 ceiling-mount antenna.**

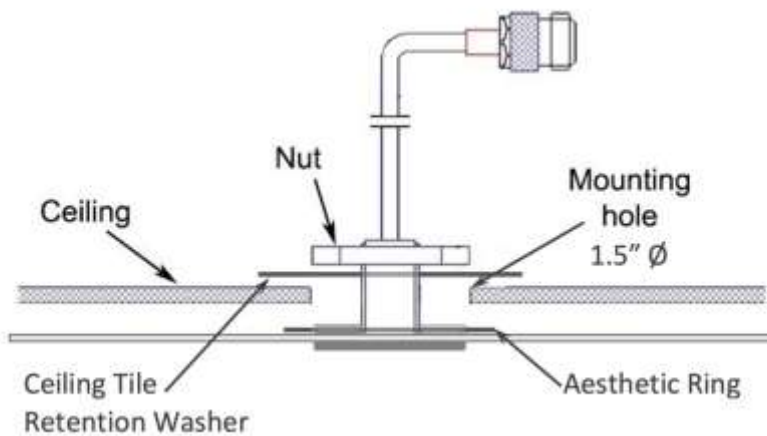


**Figure 1: IV0XOMI136-T4 antenna**

Description	Qty.
IV0XOMI136-T4 ceiling-mount antenna	1
<b>Hardware for ceiling greater than 1-5/8" thick</b>	
M3 x 50 mm self-tapping acrylic screws	2
Toggle anchors	2

Safety
The antenna and all associated equipment should be installed with all applicable local and national electrical code guidelines to ensure safe operation.
Location
For best results, mount the antenna above exterior obstructions in a location near the center of the coverage area. A line-of-sight path between the antenna and active locations generally works best. Although frequency signals penetrate cubical dividers, partitions, and interior walls with little attenuation, reinforced block walls, metal surfaces, and steel shelving may attenuate signals or cause multipath, a condition where reflected signals interfere with the primary signal path. Avoid mounting the antenna next to a column or vertical support that could create a "shadow zone" of reduced coverage to one portion of the room.
Avoid installing antenna on a metal-backed ceiling or metal structure for best performance. Any metal structure may detune the antenna. If installation below metal structure is unavoidable, a minimum distance of 75 mm from the metal surface is recommended.
Precaution
To avoid damage of the connector joint, use the correct size of wrench to hold the connector body shell properly during tightening. Use an 18mm wrench for the 4.3-10 connector, torqued to 44.3 lbf-in (5 Nm).
For best PIM results:
<ul style="list-style-type: none"> <li>• Make sure the connectors are clean and free from any metal flakes/dirt, and tighten the connectors using torque wrench.</li> <li>• Avoid extreme bending to the cable.</li> <li>• During installation of the antenna, both cables should not be crossing one another.</li> <li>• Do not remove the dust cap from connectors when not in use.</li> </ul>

### The assembly instructions for ceiling up to 1-1/2" thick.

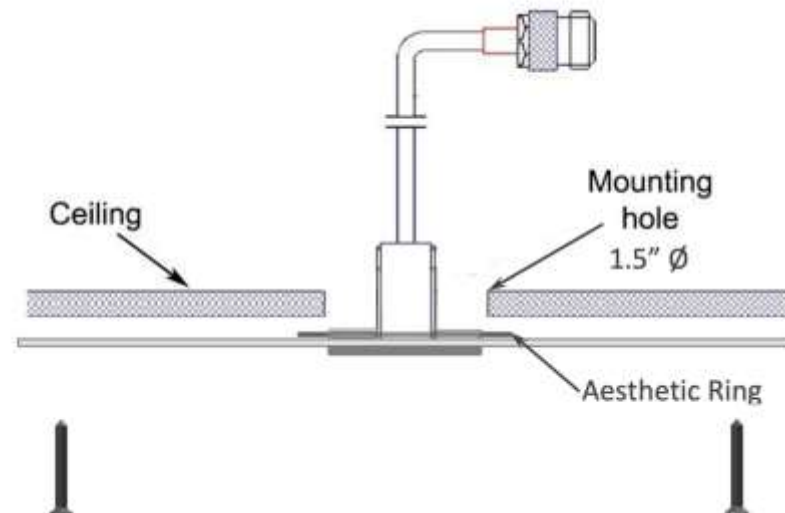


**Figure 2: Antenna assembly in ceiling up to 1-1/2" thickness**

#### Instructions:

Make 1 1/2" hole in the ceiling. Insert antenna mounting post, cable, and connectors through the hole and secure with nut. Tighten the nut so that the antenna sits flush with the bottom of the ceiling.

### The assembly instructions for ceiling greater than 1-5/8" thick.



**Figure 3: Antenna assembly in ceiling up to 1-1/2" thickness**

#### Instructions:

Make 1 1/2" hole in the ceiling. Insert antenna mounting post, cable, and connectors through the hole. If the ceiling is thicker than 1-5/8", use optional hardware to mount. Secure the screws into the ceiling so that the antenna sits flush.