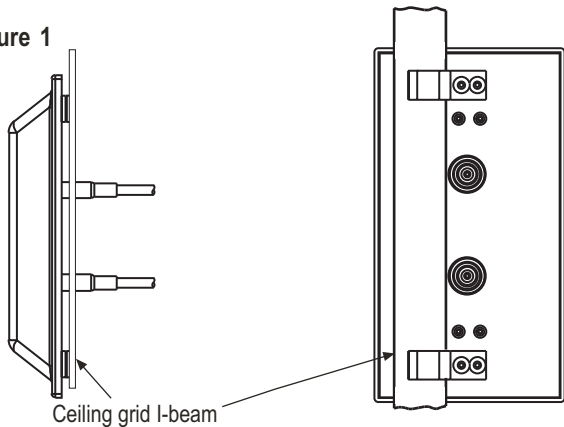
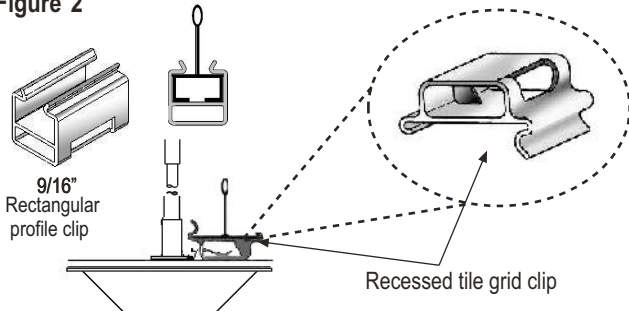


Figure 1



Ceiling grid I-beam

Figure 2



9/16" Rectangular profile clip

Recessed tile grid clip

S24493DS

2.4 - 2.5 & 4.9 - 5.99 GHz

ASSEMBLY AND INSTALLATION INSTRUCTIONS



Model	S 24493DS
Frequency MHz:	2400 - 2500 & 4900 - 5990
Gain dBi:	3
VSWR:	2:1
E-Plane (3 dB beamwidth):	60°
H-Plane (3 dB beamwidth):	Omnidirectional
Polarization:	Linear (Vertical) (2x)
Enclosure:	PVC / Acrylic
Antenna Weight oz. (kg):	0.5 (0.23)
Power (Watts):	2
Mounting:	Ceiling Grid / Suspended tile
Dimensions in.:	6.2" x 3.6" x 0.9"

LIMITED WARRANTY

LAIRD TECHNOLOGIES, P.O. BOX 4680, MANCHESTER, NEW HAMPSHIRE 03108, WARRANTS TO THE ORIGINAL CONSUMER PURCHASER FOR TWO YEARS FROM DATE OF PURCHASE THAT EACH LAIRD TECHNOLOGIES ANTENNA IS FREE OF DEFECTS IN MATERIAL OR WORKMANSHIP. IF, IN THE JUDGMENT OF LAIRD, ANY SUCH ANTENNA IS DEFECTIVE, THEN LAIRD TECHNOLOGIES WILL, AT ITS OPTION, REPAIR OR REPLACE THE ANTENNA AT ITS EXPENSE WITHIN THIRTY DAYS OF THE DATE THE ANTENNA IS RETURNED (AT PURCHASER'S EXPENSE) TO LAIRD OR ONE OF ITS AUTHORIZED REPRESENTATIVES. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESSED WARRANTIES, ANY IMPLIED WARRANTY IS LIMITED IN DURATION TO ONE YEAR. LAIRD TECHNOLOGIES SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES WHICH MAY RESULT FROM A DEFECT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION AND EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. THIS WARRANTY DOES NOT EXTEND TO ANY PRODUCTS WHICH HAVE BEEN SUBJECT TO MISUSE, NEGLIGENCE, ACCIDENT OR IMPROPER INSTALLATION, ANY REPAIRS OR ALTERATIONS OUTSIDE OF THE LAIRD TECHNOLOGIES FACTORY WILL NULLIFY THIS WARRANTY.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Warranty and Liability

LAIRD TECHNOLOGIES shall not be liable for any incidental or consequential damages which may result from a defective, or use, or improper or otherwise or installation, improper or otherwise. Please contact your vendor for technical support and warranty service



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Please read all instructions carefully before attempting to install and use this product.

SAFETY

The **S24493DS** and all associated equipment should be installed in accordance with all applicable local and national electrical code guidelines to ensure safe operation.

APPLICATION

The **S24493DS** is a ceiling-mounted spatial omnidirectional array especially designed for use with spatial-diversity access point systems. Two independent vertically polarized radiators provide null-free omnidirectional coverage for meeting rooms, offices, departmental areas, or other enclosed spaces.

LOCATION

For best results, mount the **S24493DS** At ceiling level near the center of the coverage area. A line-of-sight path between the antenna and active floor locations works best. Avoid mounting next to a column or vertical support that could create a shadow zone and reduce coverage to one portion of the room.

INSTALLATION

Suspended-ceiling mounting clips are provided on the rear panel of the antenna package. Make two small slots in the tile to pass the feedlines then install the antenna on the tile-support rail, as shown in Figure-1. For installations using recessed-edge tiles, use the supplied plastic recessed tile adapter clips. Snap clips onto the ceiling-tile grid then mount the antenna to the clips, as illustrated in Figure-2. For 9/16" rectangular profile grid, install the supplied clips in the same manner.