

Plenum Adapter

This procedure explains how to attach the plenum adapter to the top hat housing assembly, enabling SpeedDome Ultra to be mounted in plenum environments using standard mounting fixtures (supplied separately).

Tools Required

Scissors or knife
Adjustable wrench
5.5 mm (7/32") socket

Required Parts

01RHIUH Top Hat Housing

Item	Qty	Part No.
a) Housing, top hat	1	0500-7455-01

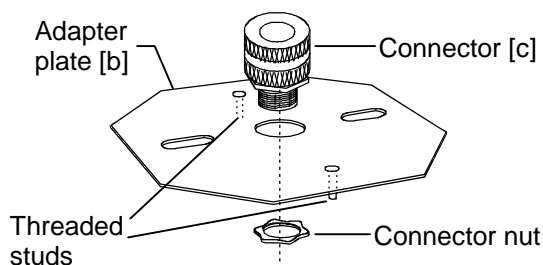
01RHPLA Plenum Adapter Kit

Item	Qty	Part No.
b) Plate, adapter plenum	1	0500-7923-01
c) Conn, 1/2" NPT, I25-.38 cord, ST, Z	1	6010-0097-01
d) Nut, lock, M3 SS304, P, 985	2	5826-0200-020
e) Washer, FI Std, M3, SS304, P, 125A	2	5840-0200-020
f) Tape, Aluminum foil, 2" wide	.5ft	3200-0331-01

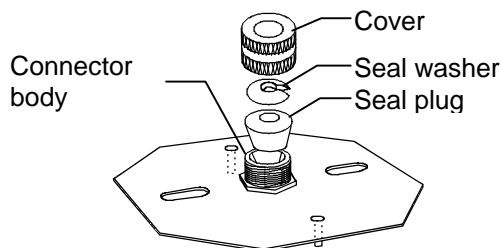
Seal the Cable

1. Attach the connector to the adapter plate.

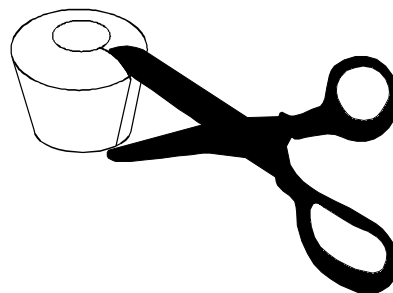
Remove the nut from the connector [c], insert the connector into the adapter plate [b], and tighten the nut securely. Insert the connector into the large hole, from the flat side, opposite from the plate's two threaded studs.



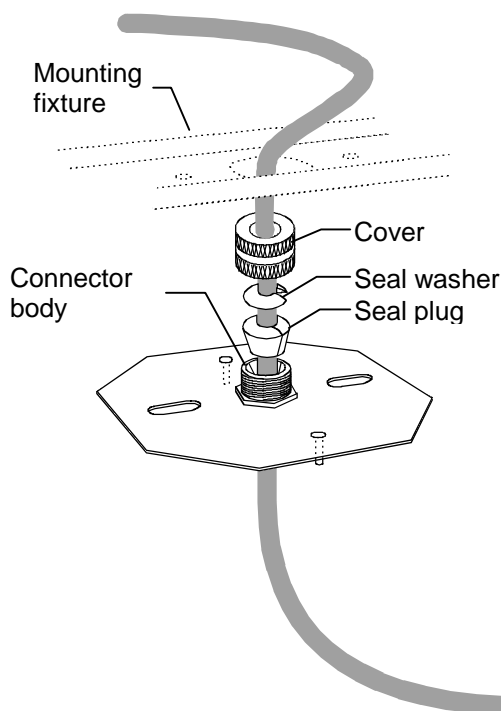
2. Unscrew the connector's knurled cover and remove the seal washer and seal plug:



3. Using a knife or scissors, cut the seal plug so it can be spread open to go around the cable:



4. Pass the composite cable through the large hole in the mounting fixture (supplied separately).



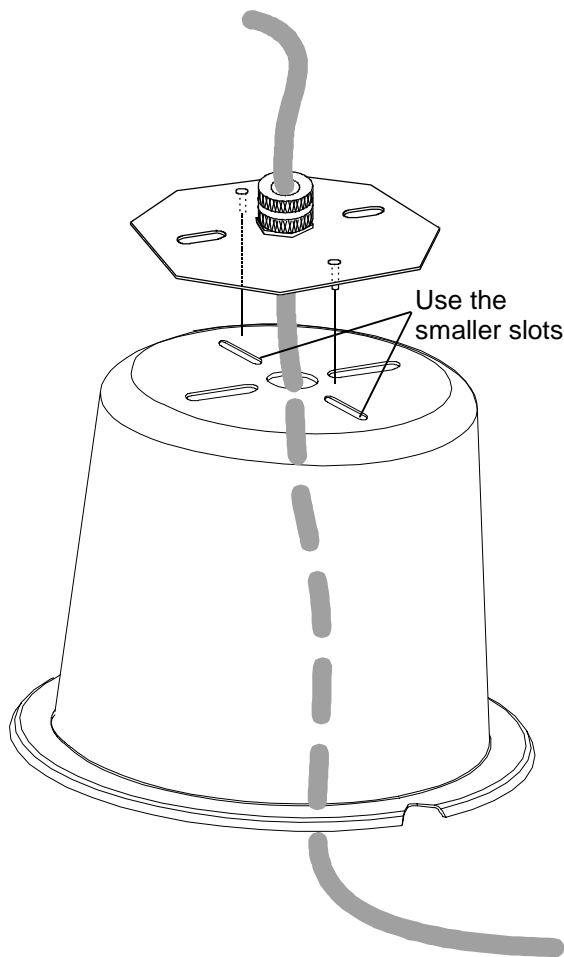
5. Run the cable through the connector cover and body. Provide approximately 45cm (1.5') of cable below the plenum adapter assembly.

6. Spread the seal plug and seal washer and place them around the cable, between the connector cover and body, as shown above.

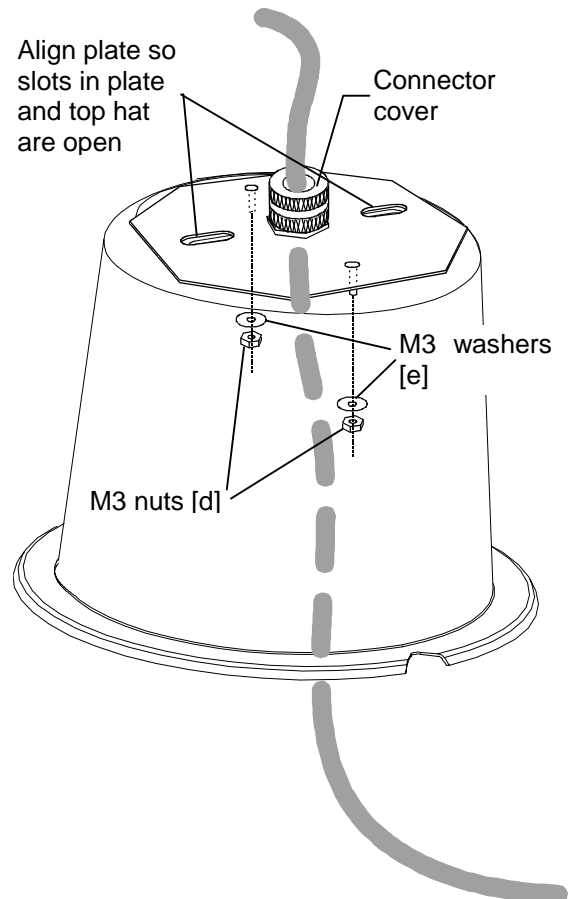
7. Press the seal plug into the connector body and tighten the cover down over the seal washer, seal plug, and body. Hand-tighten to provide a seal around the cable.

Attach the Plate to the Top Hat

1. Run the cable through the large hole in the top hat housing.
2. Align the adapter plate's two threaded studs so they can enter the smaller set of slots in the top hat. Then press the plate down onto the top hat.



3. Secure the plate to the top hat by placing an M3 washer [e] and nut [d] over each threaded stud. Before tightening fully, align the plate on the top hat so the two mounting slots are open.



Mount the Sealed Assembly

1. Use the open slots to mount the assembly, following the instructions supplied with the mounting fixture. As you tighten the assembly to the fixture, make sure the plenum adapter's connector cover fits into the large hole in the mounting fixture.
2. Completely tighten the assembly to the fixture, assuring an effective plenum seal.
3. Seal any unused or open mounting holes with the aluminum tape provided.