VINGTOR STENTOFON

Turbine SIP Station Mounting Manual

1   Turbine SIP Stations

This document describes the dimensions, mounting procedure, and connections of the Turbine SIP Stations.
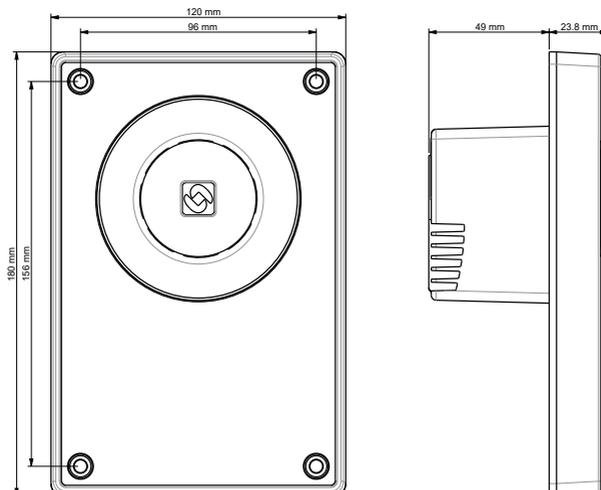***Zenitel takes no responsibility for damages caused by improper or inadequate mounting.***
The Turbine SIP product range comprises the following stations & accessories:

Item Number	Type	Item Name
1008211010	TCIS-1SIP	Turbine SIP Station
1008211020	TCIS-2SIP	Turbine SIP Station
1008211030	TCIS-3SIP	Turbine SIP Station
1008211040	TCIS-4SIP	Turbine SIP Station
1008211050	TCIS-5SIP	Turbine SIP Station
1008211060	TCIS-6SIP	Turbine SIP Station
1008140010	TA-1	Turbine On-Wall Back Box
1008140020	TA-2	Turbine Flush Mount 2-Gang Double-Depth Back Box
1008140050	TA-5	Turbine Bracket for Flush Mount Back Box

TCIS-1SIP   TCIS-2SIP   TCIS-3SIP   TCIS-4SIP   TCIS-5SIP   TCIS-6SIP
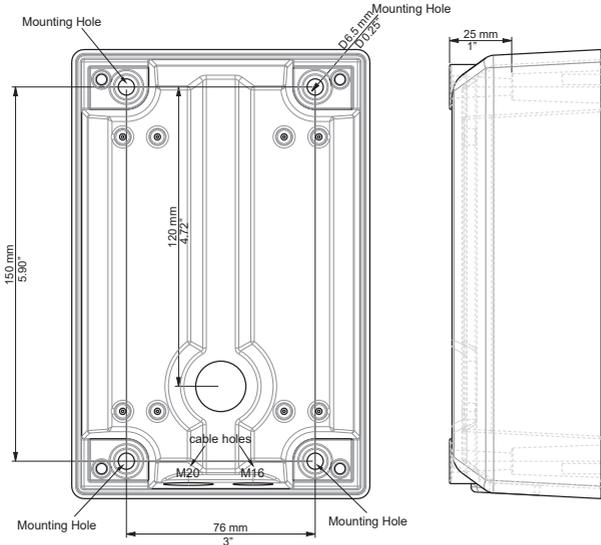
1.1   Station Dimensions

2   On-Wall Surface Mounting

2.1   On-Wall Surface Mount Back Box - TA-1

Mounting holes are to be drilled as shown.

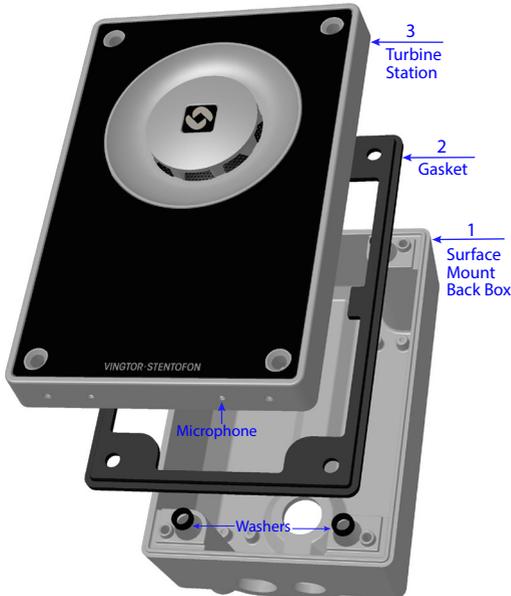Max. recommended screw diameter: ISO M6 or ANSI 1/4". Screw length must be greater than 25 mm or 1". A4 stainless steel socket head screws/bolts are recommended. Max. recommended screw head diameter: 9.5 mm or 3/8".

Optional washers for extra protection against corrosive effects between surfaces are provided. They should be placed at the bottom of the 4 mounting holes. Grommets and an M20 cable gland are provided.

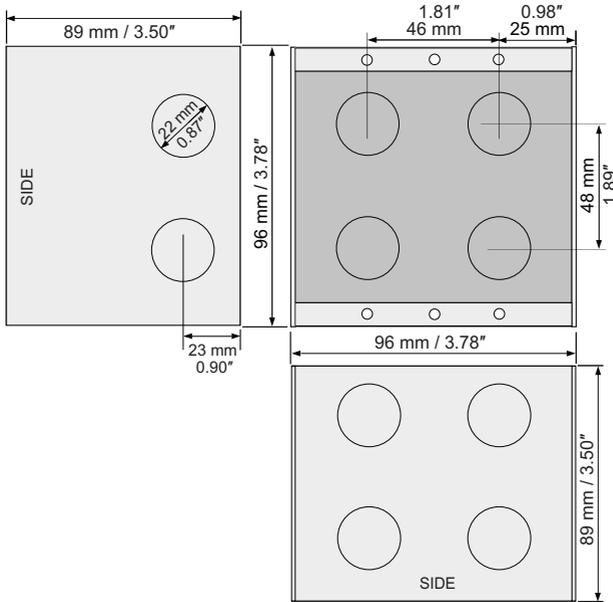### 2.2   On-Wall Surface Mounting Procedure

- ⓘ **The Gasket MUST be mounted to seal the station!**

- ⓘ **Ensure the station is mounted vertically with the microphone aperture facing down.**

- ⓘ **Ensure there is enough clearance under the station so that the microphone aperture is NOT smothered.**

- ⓘ **Place the washers at the bottom of the 4 mounting holes on the back box.**

- ⓘ **Use the grommets and M20 cable gland provided for the cable holes on the back box.**

1. Mount the back box onto the wall
2. Fit the gasket onto the back box with the ridged side facing down
   – Plug the Ethernet cable into the RJ-45 port on the station
3. Mount the Turbine station onto the back box with the M5 fasteners provided applying 1.5 Nm torque
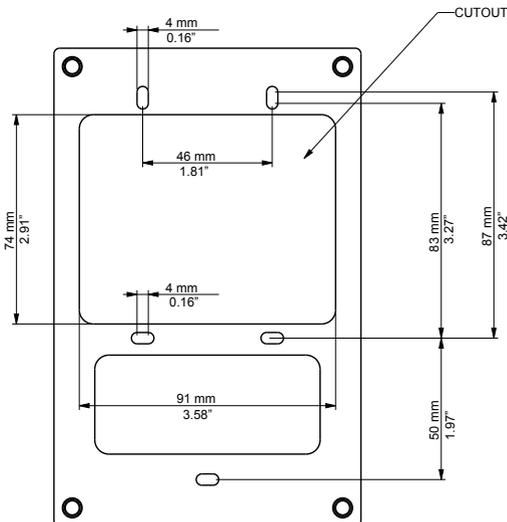
3 Flush Mounting

3.1 Flush Mount 2-Gang Double-Depth Back Box - TA-2

ⓘ It is recommended to utilize back boxes with weep holes at the bottom.

3.2 Flush Mount Bracket - TA-5
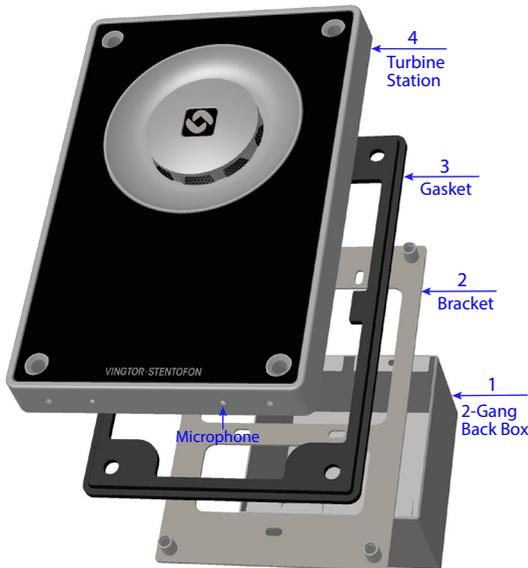
ⓘ **The TA-5 Bracket is mandatory for flush mounting.**

Fits US 2-GANG electrical boxes.

Recommended screw diameter: up to M4 (5/32")
Use screw recommended by back box manufacurer.

ⓘ **The Gasket MUST be mounted to seal the station!**

4
Turbine Station

3
Gasket
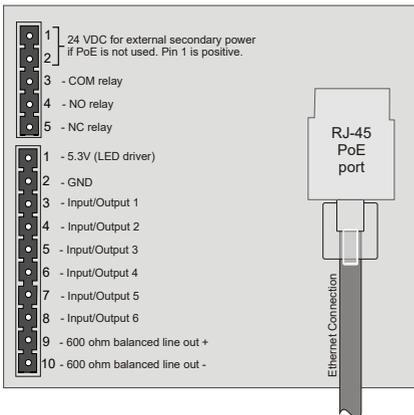
2
Bracket

1
2-Gang Back Box

Microphone

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ⓘ **Ensure the station is mounted vertically with the microphone aperture facing down.**

ⓘ **Ensure there is enough clearance under the station so that the microphone aperture is NOT smothered.**

ⓘ **Apply silicone sealant all around the aluminum frame of the station, making sure to leave the microphone aperture open.**

1. Mount the 2-gang back box into the wall
2. Mount the bracket onto the back box
3. Fit the gasket onto the bracket with the ridged side facing down
   – Plug the Ethernet cable into the RJ-45 port on the station
4. Mount the Turbine station onto the bracket with the M5 fasteners provided

4   Connections

The Turbine SIP station has a RJ-45 PoE/LAN port, and 6-pin & 10-pin external connectors.

1 24 VDC for external secondary power
2   if PoE is not used. Pin 1 is positive.
3 - COM relay
4 - NO relay
5 - NC relay

1 - 5.3V (LED driver)
2 - GND
3 - Input/Output 1
4 - Input/Output 2
5 - Input/Output 3
6 - Input/Output 4
7 - Input/Output 5
8 - Input/Output 6
9 - 600 ohm balanced line out +
10 - 600 ohm balanced line out -

RJ-45 PoE port

Ethernet Connection

Ethernet / Power	10/100 Mbps Ethernet RJ-45 port for LAN (uplink) connection. Supports PoE (802.3af). Draws power from either spare line or signal line.
Secondary Power	24 VDC (16 – 48 V) secondary power is provided from an external adapter.
Relays	There is one Double Throw relay contact with 60W switching power. COM, NO, NC contacts are provided. Max: 250VAC/220VDC, 2A, 60W.
Input/Output	6 I/Os are available. Each I/O can be configured as either input, output, or LED driver.
Audio Line Out	A balanced 600 ohm audio line out with induction loop signal

ⓘ *Use cables crimped with ferrules for terminal block connectors*

• When the station is connected to the network, its IP address is automatically obtained from a DHCP server or an IP address in the range 169.254.x.x will be assigned.

• To make the station speak its IP address, press the call button on the station.