

VINGTOR STENTOFON

Turbine Compact IP Mounting Manual

1 Turbine Compact IP Stations

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

Item Number	Type	Item Name
1008111010	TCIS-1	Turbine Compact IP Standard-1
1008111020	TCIS-2	Turbine Compact IP Standard-2
1008111030	TCIS-3	Turbine Compact IP Standard-3
1008111040	TCIS-4	Turbine Compact IP Standard-4
1008111050	TCIS-5	Turbine Compact IP Standard-5
1008111060	TCIS-6	Turbine Compact IP Standard-6
1008113020	TCIA-2	Turbine Compact Analog over IP Intercom
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-1

TCIS-2/TCIA-2

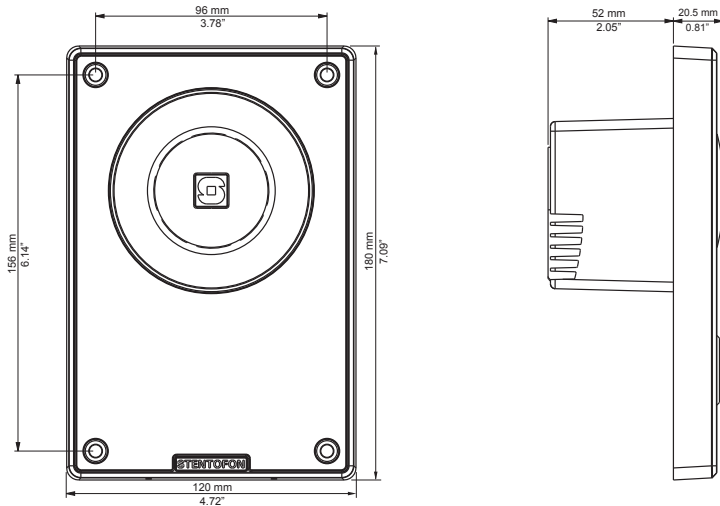
TCIS-3

TCIS-4

TCIS-5

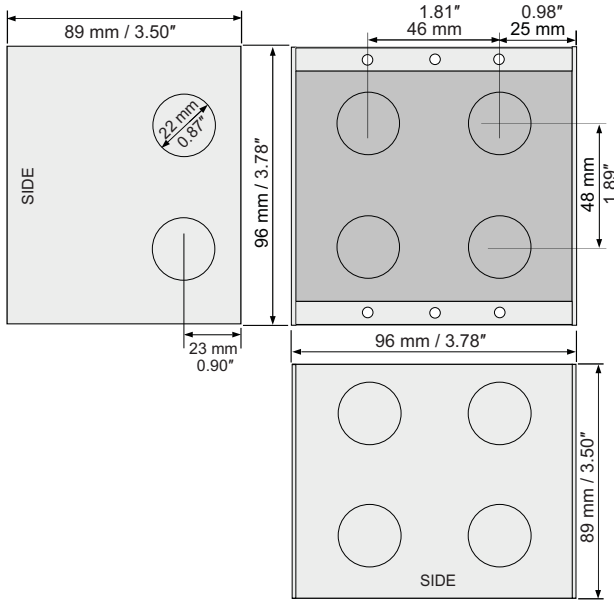
TCIS-6

1.1 TCIS Compact Station Dimensions



3 Flush Mounting

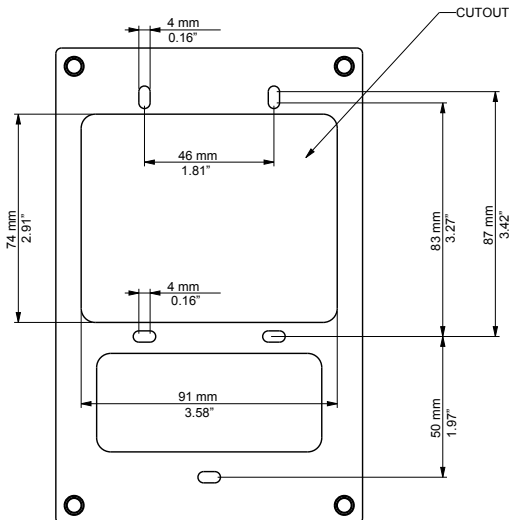
3.1 Flush Mount 2-Gang Double-Depth Back Box - TA-2



① It is recommended to utilize back boxes with weep holes at the bottom.

3.2 Flush Mount Bracket - TA-5

① The TA-5 Bracket is mandatory for flush mounting.

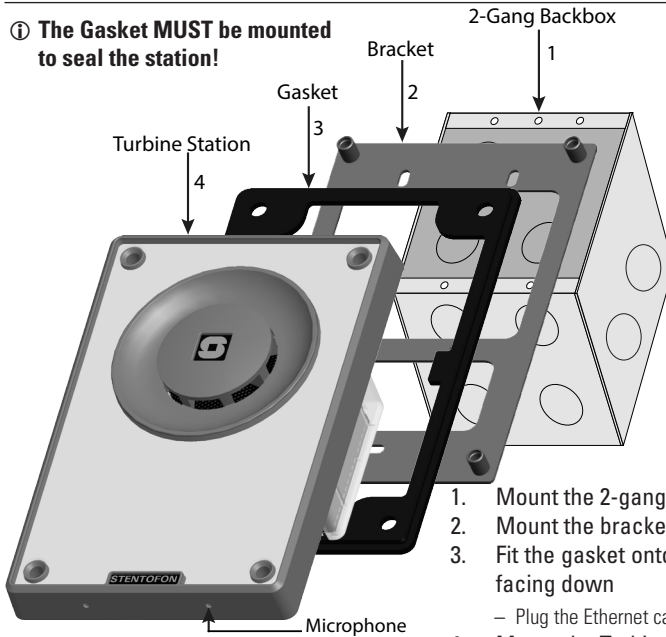


Fits US 2-GANG electrical boxes.

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

3.3 Flush Mounting Procedure

① **The Gasket MUST be mounted to seal the station!**



① **Ensure the station is mounted vertically with the microphone aperture facing down.**

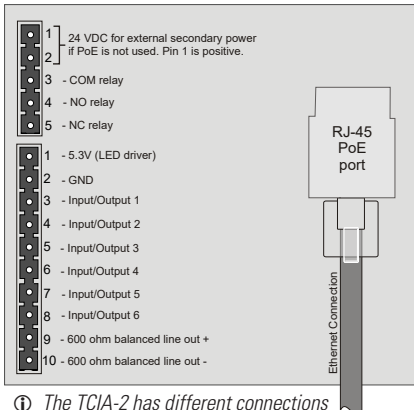
① **Ensure there is enough clearance under the station so that the microphone aperture is NOT smothered.**

① **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 Compact IP station has a RJ-45 PoE/LAN port, and 6-pin & 10-pin external connectors.



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

① *The TCIA-2 has different connections*

① *Use cables crimped with ferrules for terminal block connectors*



- When the Turbine 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.

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