

# Stainless Steel Bezel Instructions

## Introduction

Many companies require an FDA approved bezel material on the exposed front of their industrial monitors and computers. These companies require the bezel to withstand corrosion and inhibit bacterial growth in addition to withstanding industrial and food-safe cleaning fluids. Stainless steel has been the traditional bezel material for use in these environments.

This document describes the physical characteristics, and environmental specifications of the CTC PowerStation stainless steel bezel. This document also provides torque guidelines for the stainless steel bezel.

## Physical Characteristics

The stainless steel bezel uses the same touchscreen, mounting clamps, and gasket materials as the foam bezel.

The stainless steel bezel is constructed of Stainless Grade 304. Grade 304 is the standard “18/8” stainless; it is the most versatile and most widely used stainless steel.

For even higher resistance to pitting and crevice, Stainless Grade 316 is available by special request to the factory. Please call your CTC distributor for order information.

Category	Specifications
Dimensions H x W x D	For the 15": <ul style="list-style-type: none"><li>• 13.3"H x 16.8"W x 5.6"D (overall depth)</li></ul>
Weight	For the 15": <ul style="list-style-type: none"><li>• 19.6 lbs. (3.4 lbs heavier than the standard bezel equivalent)</li></ul>

## Environmental Specifications

The PowerStation conforms to the environmental specifications listed below.

Category	Specifications
Ambient Operating Temperature	0° to 50° C

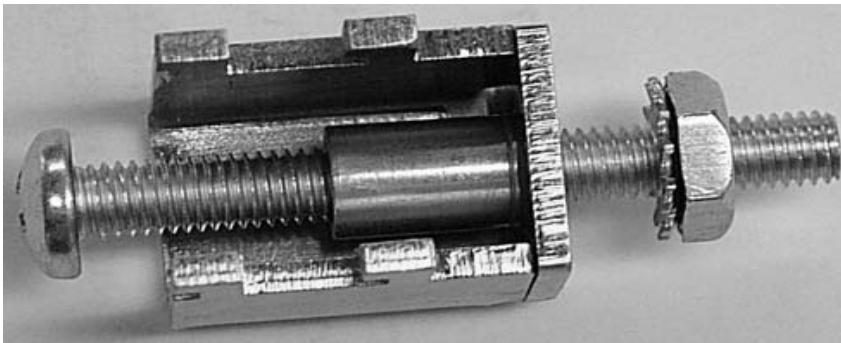
Category	Specifications
Storage Temperature	-40° to 90° C
Relative Humidity	5 - 95%, non-condensing
Shock Rating	<ul style="list-style-type: none"><li>• 10G @ 11msec operating</li><li>• 30G @ 11msec non-operating</li></ul>
Operating Vibration	<ul style="list-style-type: none"><li>• MIL-STD-810D 1.5G RMS Random non-operating</li><li>• 0.5 GRMS 5-500Hz Random operating</li></ul>
Faceplate Design	Faceplates designed and tested for NEMA 4/4X, IP65 Sealing <b>Warning:</b> The PowerStation is rated NEMA 4 only if it is installed in a NEMA 4-rated enclosure.

## Mounting Instructions

**Note** These instructions replace those found in the current User Guide for your PowerStation.

The PowerStations are designed to be mounted using screws and metal clamps in what is called a bracket assembly. For your convenience, CTC includes all necessary mounting hardware with the unit. See Fig. 1.

Note that the cutout dimensions of your PowerStation with the stainless steel bezel are identical to the dimensions listed in your PowerStation User Guide.



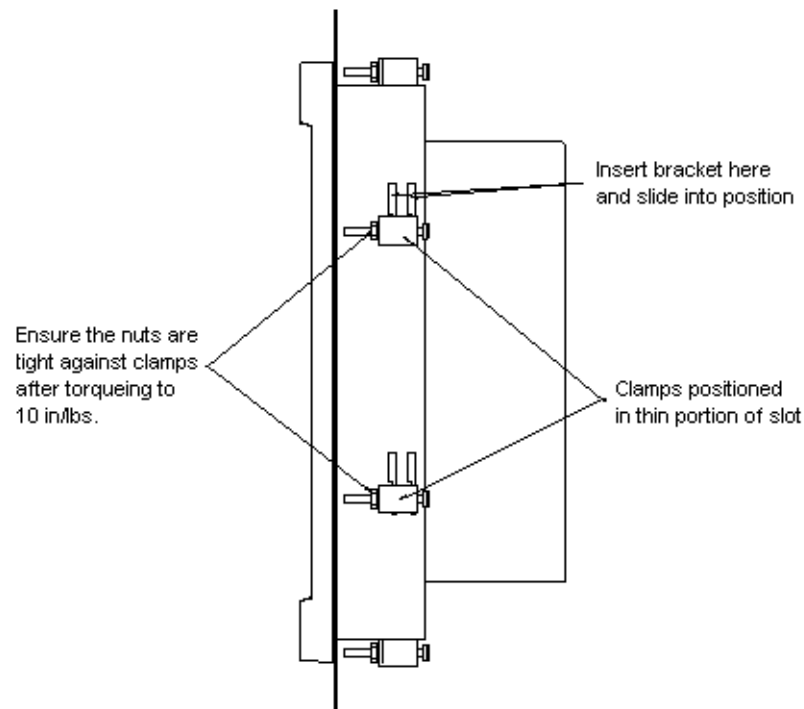
**Fig. 1**

**To mount the unit, complete the following steps:**

1. Insert the PowerStation into the cutout from the front.
  2. Attach the mounting clamps, with their screws and nuts, to the back of the unit (Fig. 2).
  3. Insert the clamps into the larger portion of the slots, and then slide them toward the thin portion. You must slide the feet of the mounting clip into the slot, and then slide the clip over to properly mount the unit.
  4. Tighten each of the mounting screws against the front of the enclosure. Torque them down to **10 in/lbs**. Tighten the screws in a crosswise sequence to ensure a good seal and prevent damage.
  5. Adjust the nut so that it is firmly against the surface of the clamp to prevent loosening.
- Tightening the bracket assembly may not ensure that the gasket seal is totally depressed by the bezel. You may see a small gap between the bezel and the enclosure.



**Caution** Over-tightening the screw/clamp assemblies may damage the PowerStation. Under-tightening may not guarantee a NEMA 4 seal.



**Fig. 2**

